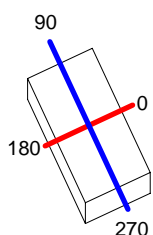


Luminaire			Measurem.			Lamp			
Code	0351		Code	0351		Code	4 led 350mA 3.7W		
Name	Free hanging lamp x4		Name	Free hanging lamp x4		Number	1		
Line	VIBIA-Wireflow		Date	10-02-2015		Position	Universal		
Efficiency			54.76%		Coordinate system	CG		Total Flux	1704.00 lm
Maximum value			73.98 cd/klm		Position	C=15.00 G=55.00		Double Symmetrical	
Rectangular Luminaire			Length	1348 mm	Width	703 mm	Height	125 mm	
Rectangular Luminous Area			Length	1348 mm	Width	703 mm	Height	37 mm	
Horizontal Luminous Area			0.947644 m2	Emitting area on Plane 180°			0.049876 m2		
Emitting area on Plane 0°			0.049876 m2	Emitting area on Plane 270°			0.026011 m2		
Emitting area on Plane 90°			0.026011 m2	Glare area at 76°			0.277650 m2		
Symmetry Type			Double Symmetrical		Maximum Gamma Angle		180		
Measurement Distance			6.44		Measurement Flux		1704.00 lm		
Operator			Asselum T2		Source voltage		230.00 V		
Temperature			20.00 °C		Source current		PRC		
Humidity			50.00 %		Photocell				
Notes									
Luminaire Lamps									
Line	Code		Name		Flux [lm]		Pow. [W]	Q.ty	
- VIBIA	4 led 350mA 3.7W		Lámpara 4 leds 3.7W		1704.00		15.00	1	
C.I.E.	25 55 81 70 55		D DIN 5040		B11				
F UTE	0.38 J + 0.16 T		B NBN		BZ 8 / 1 / BZ 7				

1348mm x 703mm



C Halfplanes

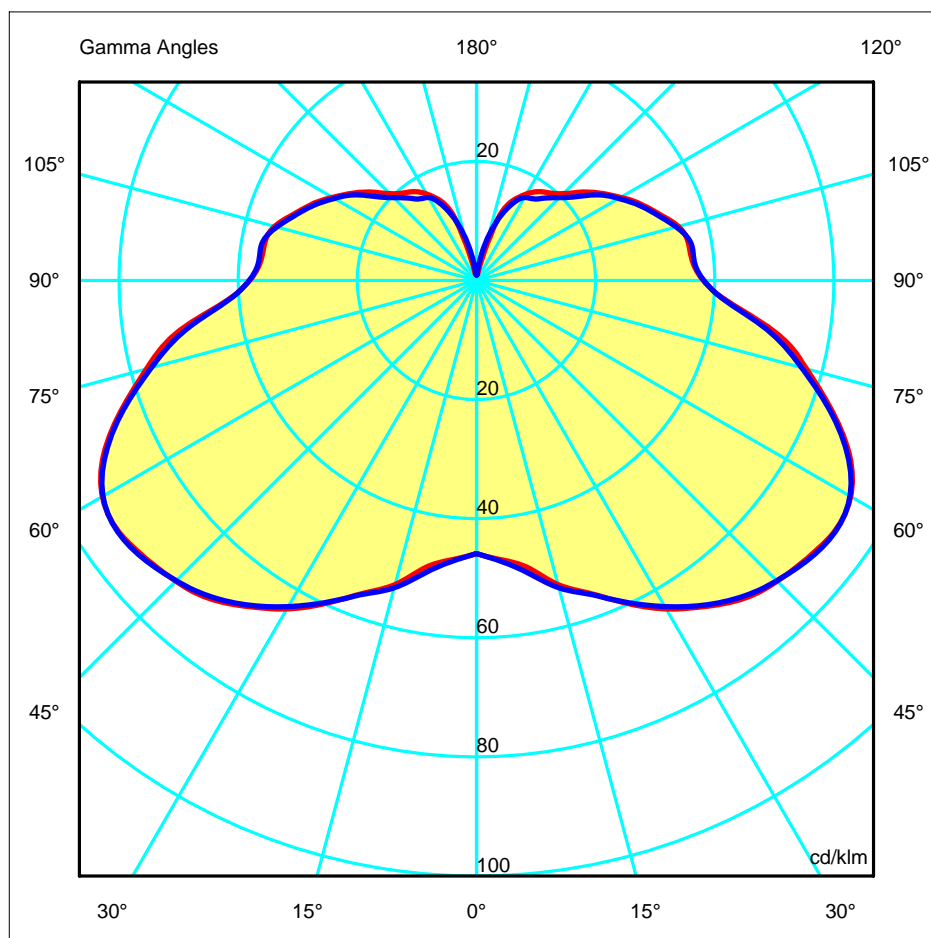
180.0 — 0.0

270.0 — 90.0

ULOR 16.40 %

DLOR 38.36 %

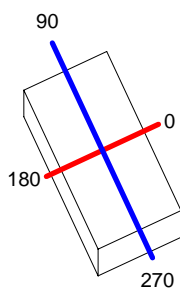
RN 29.95 %



Luminaire		Measurem.		Lamp			
Code	0351	Code	0351	Code	4 led 350mA 3.7W		
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1		
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal		
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm		
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical			
Luminous Intensity Table cd/klm							
Table 1/1							
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	45.83	45.83	45.83	45.83	45.83	45.83	45.83
G 5.0	47.07	47.11	47.35	47.23	47.49	46.97	47.32
G 10.0	48.89	49.77	49.79	49.80	50.07	49.51	49.87
G 15.0	52.85	53.07	53.17	53.17	53.49	52.87	53.42
G 20.0	55.92	56.44	56.61	56.30	56.41	55.64	56.10
G 25.0	59.82	60.33	60.27	59.78	60.04	59.27	59.65
G 30.0	63.67	63.86	63.92	63.35	63.63	62.71	63.19
G 35.0	66.82	67.11	67.12	66.62	66.98	65.90	66.55
G 40.0	69.73	69.99	69.58	69.27	69.66	68.32	69.32
G 45.0	71.42	71.98	71.44	71.17	71.74	70.02	71.33
G 50.0	72.51	73.16	72.33	72.23	73.02	71.02	72.77
G 55.0	73.40	73.98	73.12	73.03	73.88	71.88	73.58
G 60.0	72.54	72.46	71.91	71.94	72.48	70.64	72.38
G 65.0	69.06	68.85	68.92	68.39	69.13	67.89	68.65
G 70.0	63.39	63.32	63.89	63.10	63.37	62.89	62.98
G 75.0	57.37	56.33	56.80	56.10	56.61	56.00	56.50
G 80.0	51.24	49.20	48.94	48.99	49.61	48.90	50.08
G 85.0	42.61	42.29	41.76	41.99	42.12	41.17	42.37
G 90.0	38.14	37.99	37.61	38.03	38.06	37.52	38.17
G 95.0	36.36	36.43	36.26	36.37	36.55	35.99	36.69
G100.0	36.14	36.57	36.25	36.15	36.75	35.60	36.54
G105.0	35.12	34.76	34.68	34.52	34.77	34.09	34.71
G110.0	32.59	32.01	32.33	32.13	32.17	31.90	32.25
G115.0	30.44	29.77	30.06	29.85	29.92	29.66	30.03
G120.0	27.91	27.52	27.63	27.63	27.43	27.09	27.54
G125.0	25.56	24.99	25.00	25.10	25.07	24.62	25.11
G130.0	23.11	21.76	22.23	22.47	21.87	22.10	21.90
G135.0	20.61	19.76	20.40	20.46	20.12	20.18	19.69
G140.0	19.20	18.27	19.00	18.93	18.58	18.88	18.09
G145.0	18.22	16.89	17.71	17.58	17.20	17.68	16.73
G150.0	16.80	16.14	16.15	15.99	16.36	16.12	16.09
G155.0	14.92	14.12	14.20	14.20	14.17	13.78	14.26
G160.0	11.95	10.69	10.96	11.04	11.22	11.12	11.22
G165.0	4.88	4.86	6.80	7.12	7.36	7.62	7.70
G170.0	1.12	2.18	2.74	3.38	3.63	3.53	3.95
G175.0	0.95	0.98	0.95	0.97	0.95	0.96	0.95
G180.0	0.96	0.95	0.95	0.90	0.95	0.94	0.95

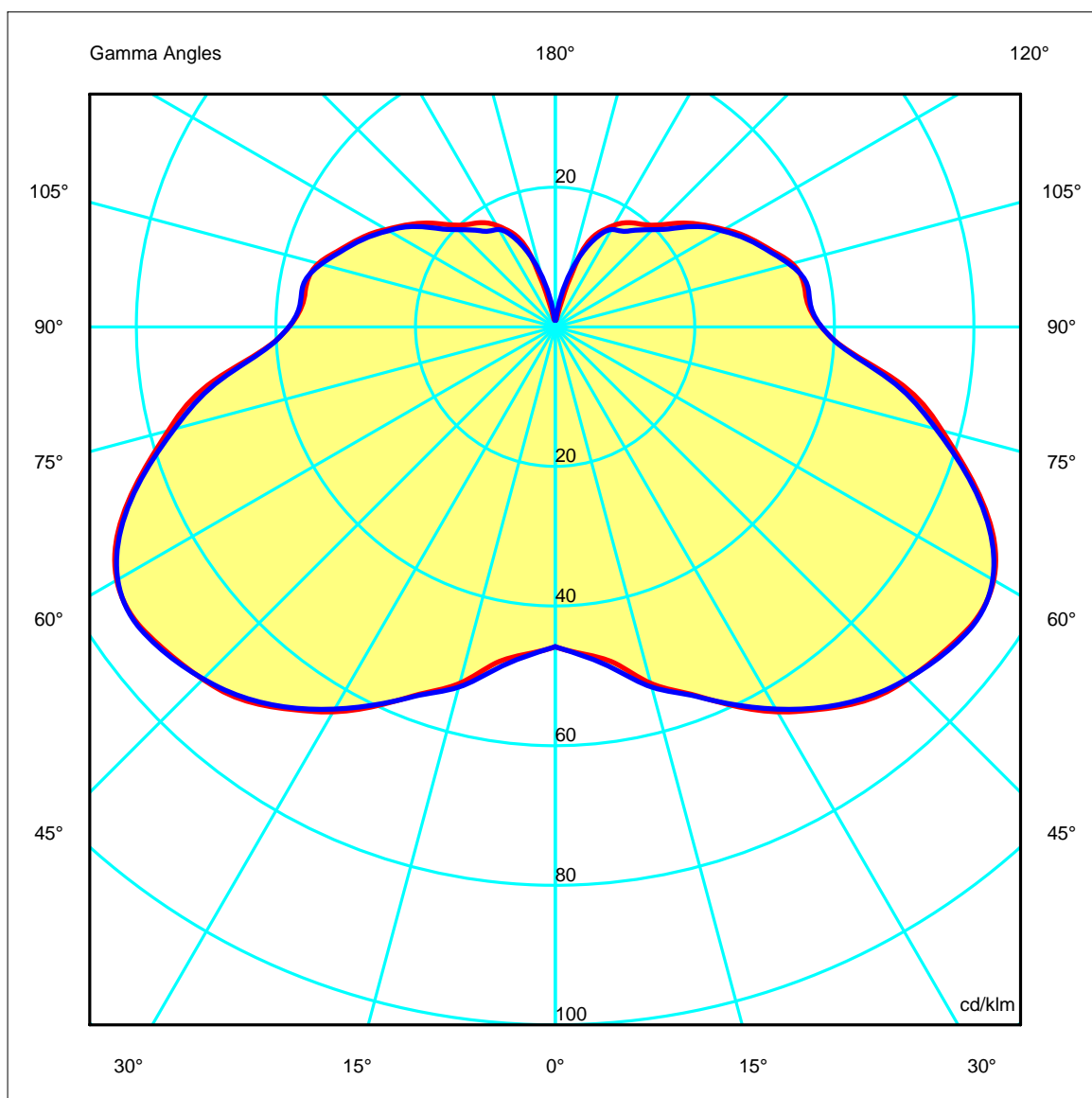
Luminaire		Measurem.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

1348mm x 703mm



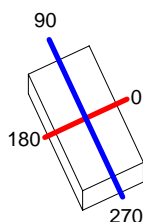
C Halfplanes

180.0 — 0.0
270.0 — 90.0



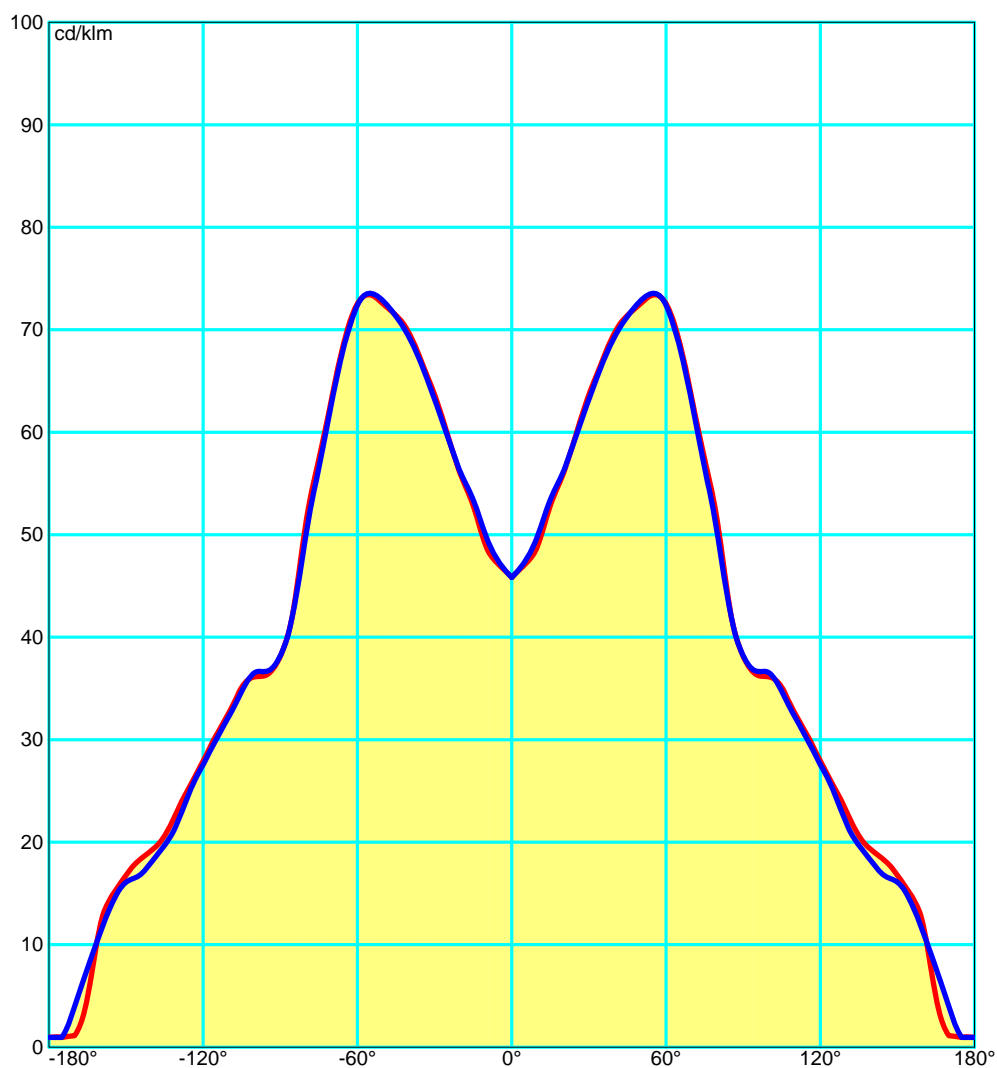
Luminaire		Measur.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

1348mm x 703mm



C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0



Luminaire		Measur.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions										
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	5.6	6.8	6.3	7.5	8.4	5.6	6.8	6.3	7.5	8.4
x=2H y=3H	8.5	9.5	9.2	10.2	11.2	8.5	9.6	9.2	10.3	11.2
x=2H y=4H	9.8	10.8	10.6	11.6	12.6	9.9	10.9	10.7	11.7	12.6
x=2H y=6H	11.2	12.2	12.0	12.9	14.0	11.4	12.3	12.1	13.1	14.0
x=2H y=8H	12.0	12.9	12.7	13.6	14.8	12.1	13.0	12.9	13.8	14.8
x=2H y=12H	12.7	13.6	13.5	14.3	15.5	12.9	13.8	13.7	14.6	15.5
x=4H y=2H	6.7	7.7	7.5	8.5	9.4	6.7	7.8	7.5	8.5	9.4
x=4H y=3H	9.6	10.5	10.4	11.3	12.3	9.7	10.5	10.4	11.3	12.3
x=4H y=4H	11.1	11.9	11.9	12.7	13.7	11.2	12.0	12.0	12.8	13.7
x=4H y=6H	12.6	13.3	13.4	14.2	15.3	12.8	13.5	13.6	14.3	15.3
x=4H y=8H	13.4	14.1	14.3	14.9	16.1	13.6	14.2	14.4	15.1	16.1
x=4H y=12H	14.2	14.8	15.1	15.7	16.9	14.5	15.1	15.3	15.9	16.9
x=8H y=4H	11.7	12.4	12.6	13.2	14.3	11.8	12.5	12.6	13.3	14.3
x=8H y=6H	13.5	14.0	14.3	14.9	16.0	13.6	14.2	14.5	15.0	16.0
x=8H y=8H	14.4	14.9	15.3	15.8	17.0	14.6	15.1	15.4	15.9	17.0
x=8H y=12H	15.4	15.9	16.3	16.7	18.0	15.6	16.1	16.5	16.9	18.0
x=12H y=4H	11.9	12.5	12.7	13.3	14.4	11.9	12.5	12.8	13.4	14.4
x=12H y=6H	13.7	14.2	14.6	15.1	16.2	13.8	14.3	14.7	15.2	16.2
x=12H y=8H	14.7	15.2	15.6	16.0	17.3	14.9	15.3	15.8	16.2	17.3

Luminaire		Measurem.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

Right beam angle not found, gamma = 56

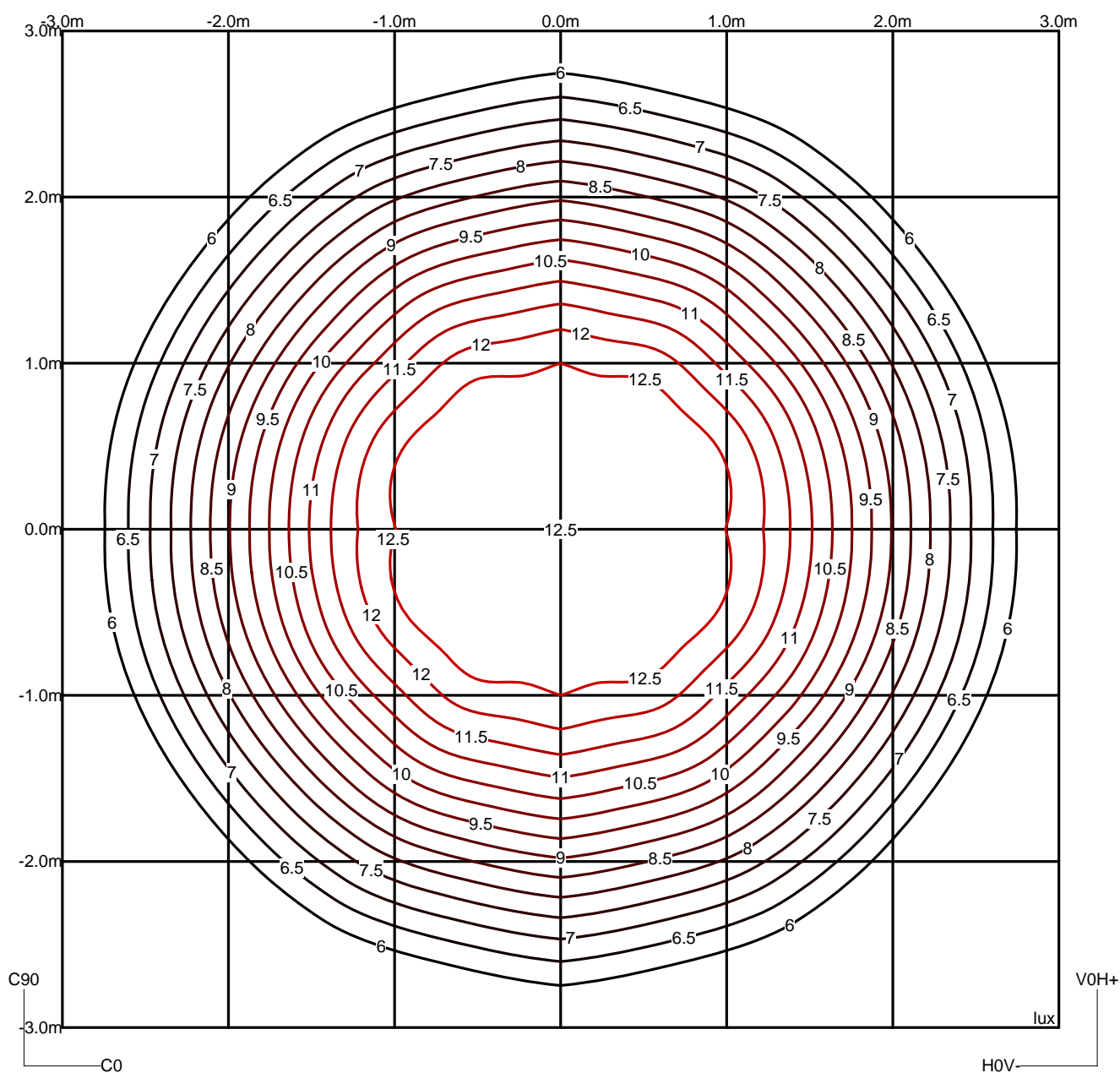
Right beam angle not found, gamma = 56

Right beam angle not found, gamma = 56

Luminaire		Measur.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire		Measur.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

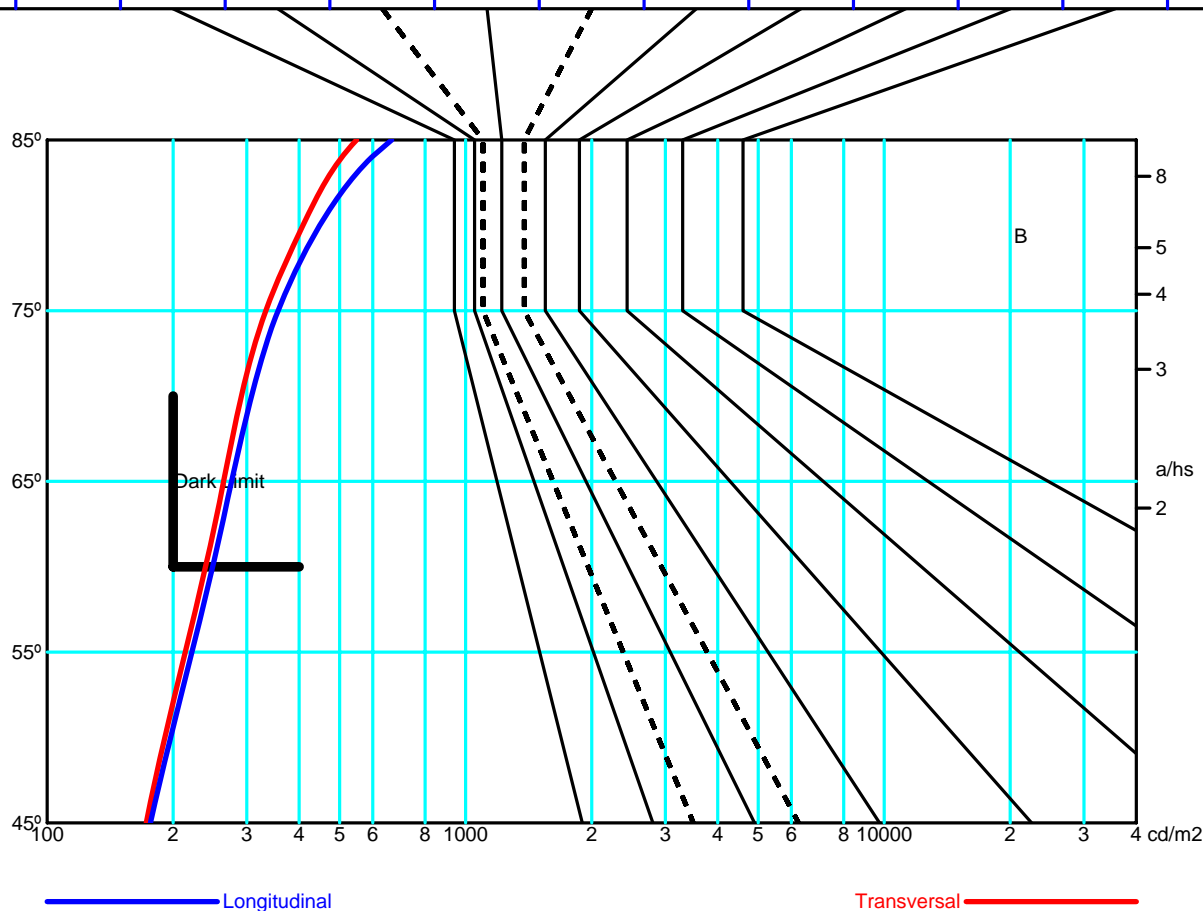
Utilizations CIE

Mounting	Direct				Normalization				Normalised				Suspension Ratio				Standard CIE Settings			
	</																			

Luminaire		Measur.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

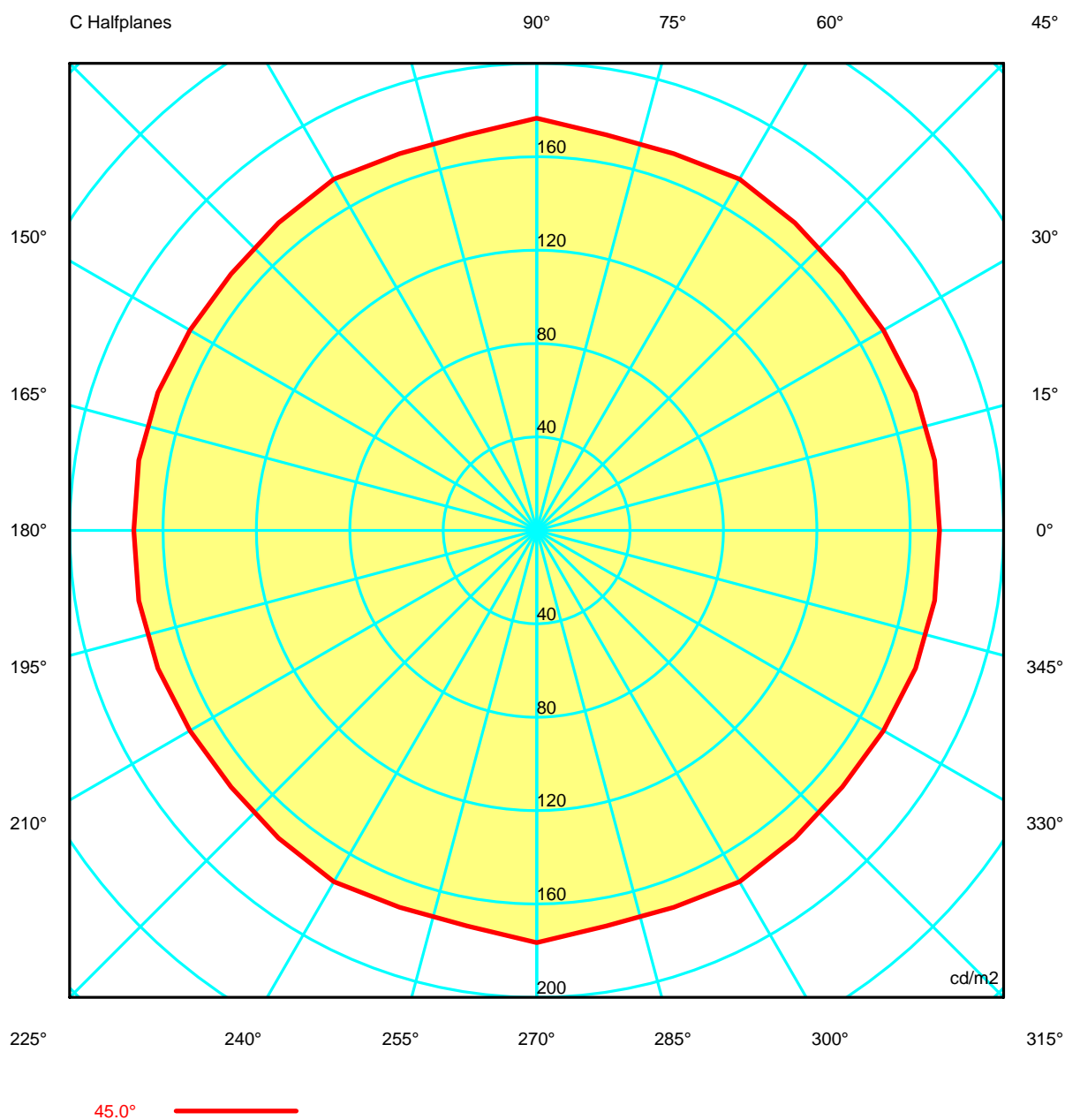
Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	---
90.0°	173	191	214	239	264	291	333	409	549	---
	177	197	222	248	276	308	356	449	665	---

Flush mounted or transversal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire		Measur.		Lamp	
Code	0351	Code	0351	Code	4 led 350mA 3.7W
Name	Free hanging lamp x4	Name	Free hanging lamp x4	Number	1
Line	VIBIA-Wireflow	Date	10-02-2015	Position	Universal
Efficiency	54.76%	Coordinate system	CG	Total Flux	1704.00 lm
Maximum value	73.98 cd/klm	Position	C=15.00 G=55.00	Double Symmetrical	

Luminance



Luminaire				Measurem.				Lamp					
Code	0351			Code	0351			Code	4 led 350mA 3.7W				
Name	Free hanging lamp x4			Name	Free hanging lamp x4			Number	1				
Line	VIBIA-Wireflow			Date	10-02-2015			Position	Universal				
Efficiency	54.76%			Coordinate system	CG			Total Flux	1704.00 lm				
Maximum value	73.98 cd/klm			Position	C=15.00 G=55.00			Double Symmetrical					
Luminance cd/m2 Table 1/3													
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41
G 5.0	84.57	84.59	84.77	85.02	84.83	85.03	85.35	84.74	84.52	85.22	84.52	84.74	85.35
G 10.0	88.45	89.60	89.95	89.96	90.00	90.30	90.62	90.01	89.84	90.62	89.84	90.01	90.62
G 15.0	97.01	97.19	97.33	97.44	97.46	97.74	98.26	97.61	97.56	98.72	97.56	97.61	98.26
G 20.0	105.00	105.53	105.96	106.03	105.62	105.73	106.01	105.21	105.09	106.29	105.09	105.21	106.01
G 25.0	115.83	116.37	116.63	116.36	115.65	115.82	116.40	115.70	115.60	116.86	115.60	115.70	116.40
G 30.0	128.30	128.25	128.42	128.32	127.51	127.70	128.41	127.57	127.50	129.16	127.50	127.57	128.41
G 35.0	141.47	141.51	141.65	141.47	140.90	141.14	142.06	141.05	141.09	143.33	141.09	141.05	142.06
G 40.0	156.75	156.77	156.40	155.59	155.00	155.73	156.91	155.54	155.77	159.04	155.77	155.54	156.91
G 45.0	172.53	173.03	172.66	171.50	170.88	172.03	173.72	171.75	172.01	176.54	172.01	171.75	173.72
G 50.0	190.88	191.57	190.80	188.98	188.51	190.35	192.77	190.27	190.82	197.13	190.82	190.27	192.77
G 55.0	214.03	214.46	213.41	211.34	210.88	213.14	216.15	213.72	214.64	221.97	214.64	213.72	216.15
G 60.0	239.08	237.42	235.98	234.53	234.57	237.37	239.84	237.73	239.60	248.48	239.60	237.73	239.84
G 65.0	264.05	261.29	260.21	260.17	259.48	261.35	265.60	265.61	268.04	275.86	268.04	265.61	265.60
G 70.0	291.17	287.72	287.66	288.84	287.27	288.38	292.87	295.97	300.47	307.91	300.47	295.97	292.87
G 75.0	333.15	324.01	321.65	323.10	321.50	324.16	331.34	335.63	342.87	356.06	342.87	335.63	331.34
G 80.0	408.66	389.64	380.23	379.23	381.02	388.95	400.08	407.10	421.60	448.72	421.60	407.10	400.08
G 85.0	548.93	531.65	519.24	513.52	519.18	534.48	552.68	568.91	603.24	665.38	603.24	568.91	552.68
G 90.0	1303.03	1210.01	1156.03	1140.34	1174.51	1250.28	1366.23	1545.06	1869.75	2500.72	1869.75	1545.06	1366.23

Luminaire				Measur.				Lamp					
Code	0351			Code	0351			Code	4 led 350mA 3.7W				
Name	Free hanging lamp x4			Name	Free hanging lamp x4			Number	1				
Line	VIBIA-Wireflow			Date	10-02-2015			Position	Universal				
Efficiency				54.76%		Coordinate system		CG		Total Flux		1704.00 lm	
Maximum value				73.98 cd/klm		Position		C=15.00 G=55.00		Double Symmetrical			
Luminance cd/m2 Table 2/3													
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41
G 5.0	85.03	84.83	85.02	84.77	84.59	84.57	84.59	84.77	85.02	84.83	85.03	85.35	84.74
G 10.0	90.30	90.00	89.96	89.95	89.60	88.45	89.60	89.95	89.96	90.00	90.30	90.62	90.01
G 15.0	97.74	97.46	97.44	97.33	97.19	97.01	97.19	97.33	97.44	97.46	97.74	98.26	97.61
G 20.0	105.73	105.62	106.03	105.96	105.53	105.00	105.53	105.96	106.03	105.62	105.73	106.01	105.21
G 25.0	115.82	115.65	116.36	116.63	116.37	115.83	116.37	116.63	116.36	115.65	115.82	116.40	115.70
G 30.0	127.70	127.51	128.32	128.42	128.25	128.30	128.25	128.42	128.32	127.51	127.70	128.41	127.57
G 35.0	141.14	140.90	141.47	141.65	141.51	141.47	141.51	141.65	141.47	140.90	141.14	142.06	141.05
G 40.0	155.73	155.00	155.59	156.40	156.77	156.75	156.77	156.40	155.59	155.00	155.73	156.91	155.54
G 45.0	172.03	170.88	171.50	172.66	173.03	172.53	173.03	172.66	171.50	170.88	172.03	173.72	171.75
G 50.0	190.35	188.51	188.98	190.80	191.57	190.88	191.57	190.80	188.98	188.51	190.35	192.77	190.27
G 55.0	213.14	210.88	211.34	213.41	214.46	214.03	214.46	213.41	211.34	210.88	213.14	216.15	213.72
G 60.0	237.37	234.57	234.53	235.98	237.42	239.08	237.42	235.98	234.53	234.57	237.37	239.84	237.73
G 65.0	261.35	259.48	260.17	260.21	261.29	264.05	261.29	260.21	260.17	259.48	261.35	265.60	265.61
G 70.0	288.38	287.27	288.84	287.66	287.72	291.17	287.72	287.66	288.84	287.27	288.38	292.87	295.97
G 75.0	324.16	321.50	323.10	321.65	324.01	333.15	324.01	321.65	323.10	321.50	324.16	331.34	335.63
G 80.0	388.95	381.02	379.23	380.23	389.64	408.66	389.64	380.23	379.23	381.02	388.95	400.08	407.10
G 85.0	534.48	519.18	513.52	519.24	531.65	548.93	531.65	519.24	513.52	519.18	534.48	552.68	568.91
G 90.0	1250.28	1174.51	1140.34	1156.03	1210.01	1303.03	1210.01	1156.03	1140.34	1174.51	1250.28	1366.23	1545.06

Luminaire				Measur.				Lamp			
Code	0351			Code	0351			Code	4 led 350mA 3.7W		
Name	Free hanging lamp x4			Name	Free hanging lamp x4			Number	1		
Line	VIBIA-Wireflow			Date	10-02-2015			Position	Universal		
Efficiency		54.76%		Coordinate system		CG		Total Flux		1704.00 lm	
Maximum value		73.98 cd/klm		Position		C=15.00 G=55.00		Double Symmetrical			
Luminance cd/m2 Table 3/3											
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00	
G 0.0	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	
G 5.0	84.52	85.22	84.52	84.74	85.35	85.03	84.83	85.02	84.77	84.59	
G 10.0	89.84	90.62	89.84	90.01	90.62	90.30	90.00	89.96	89.95	89.60	
G 15.0	97.56	98.72	97.56	97.61	98.26	97.74	97.46	97.44	97.33	97.19	
G 20.0	105.09	106.29	105.09	105.21	106.01	105.73	105.62	106.03	105.96	105.53	
G 25.0	115.60	116.86	115.60	115.70	116.40	115.82	115.65	116.36	116.63	116.37	
G 30.0	127.50	129.16	127.50	127.57	128.41	127.70	127.51	128.32	128.42	128.25	
G 35.0	141.09	143.33	141.09	141.05	142.06	141.14	140.90	141.47	141.65	141.51	
G 40.0	155.77	159.04	155.77	155.54	156.91	155.73	155.00	155.59	156.40	156.77	
G 45.0	172.01	176.54	172.01	171.75	173.72	172.03	170.88	171.50	172.66	173.03	
G 50.0	190.82	197.13	190.82	190.27	192.77	190.35	188.51	188.98	190.80	191.57	
G 55.0	214.64	221.97	214.64	213.72	216.15	213.14	210.88	211.34	213.41	214.46	
G 60.0	239.60	248.48	239.60	237.73	239.84	237.37	234.57	234.53	235.98	237.42	
G 65.0	268.04	275.86	268.04	265.61	265.60	261.35	259.48	260.17	260.21	261.29	
G 70.0	300.47	307.91	300.47	295.97	292.87	288.38	287.27	288.84	287.66	287.72	
G 75.0	342.87	356.06	342.87	335.63	331.34	324.16	321.50	323.10	321.65	324.01	
G 80.0	421.60	448.72	421.60	407.10	400.08	388.95	381.02	379.23	380.23	389.64	
G 85.0	603.24	665.38	603.24	568.91	552.68	534.48	519.18	513.52	519.24	531.65	
G 90.0	1869.75	2500.72	1869.75	1545.06	1366.23	1250.28	1174.51	1140.34	1156.03	1210.01	