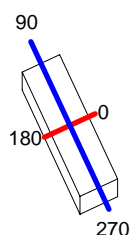


<b>Luminaire</b>			<b>Measurem.</b>			<b>Lamp</b>				
Code	2516		Code	2516		Code	4 led 350mA 3.7W			
Name	4 cluster hanging lamp comp.2		Name	4 cluster hanging lamp comp.2		Number	2			
Line	VIBIA-Cosmos		Date	16-06-2014		Position	Universal			
Efficiency			31.57%		Coordinate system	CG		Total Flux	1934.00 lm	
Maximum value			253.61 cd/klm		Position	C=0.00 G=0.00		Asymmetrical		
Rectangular Luminaire			Length	860 mm		Width	260 mm		Height	670 mm
Rectangular Luminous Area			Length	525 mm		Width	240 mm		Height	0 mm
Horizontal Luminous Area			0.126000 m2		Emitting area on Plane 180°			0.000000 m2		
Emitting area on Plane 0°			0.000000 m2		Emitting area on Plane 270°			0.000000 m2		
Emitting area on Plane 90°			0.000000 m2		Glare area at 76°			0.030482 m2		
Symmetry Type			Asymmetrical		Maximum Gamma Angle			180		
Measurement Distance			0.00		Measurement Flux			1934.00 lm		
Operator					Source voltage			230.00 V		
Temperature			20.00 °C		Source current					
Humidity			50.00 %		Photocell					
Notes										
<b>Luminaire Lamps</b>										
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		
- VIBIA	2 led 350mA 1W		2 led 350mA 1W		230.00		2.00	1		
C.I.E.	78 93 98 88 32		D DIN 5040		B61					
F UTE	0.28 B + 0.04 T		B NBN		BZ 1 / 3 / BZ 2					

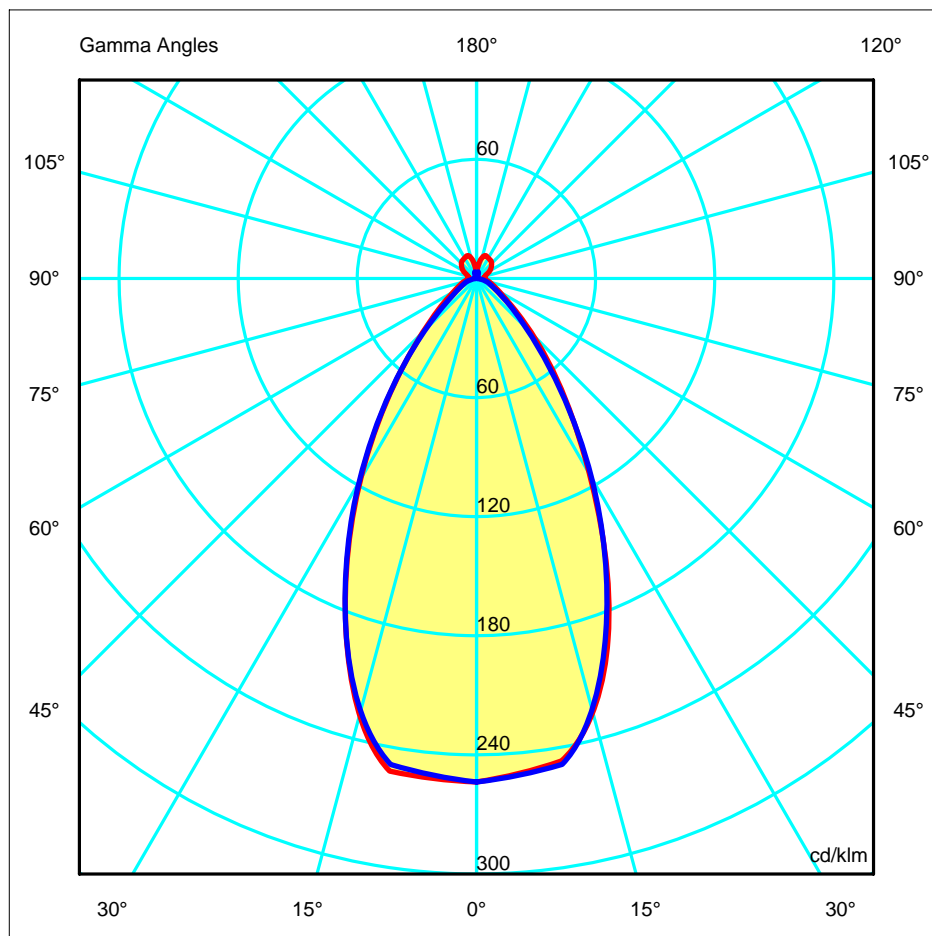
860mm x 260mm



C Halfplanes

180.0 — 0.0  
 270.0 — 90.0

ULOR 3.84 %  
 DLOR 27.73 %  
 RN 12.15 %



<b>Luminaire</b>				<b>Measurem.</b>				<b>Lamp</b>					
Code	2516			Code	2516			Code	4 led 350mA 3.7W				
Name	4 cluster hanging lamp comp.2			Name	4 cluster hanging lamp comp.2			Number	2				
Line	VIBIA-Cosmos			Date	16-06-2014			Position	Universal				
Efficiency				31.57%		Coordinate system		CG		Total Flux		1934.00 lm	
Luminous Intensity Table cd/klm								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	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61
G 10.0	246.76	244.21	246.10	245.21	244.50	245.24	246.66	248.44	247.95	248.50	245.76	244.24	246.55
G 20.0	193.70	192.92	189.39	186.57	183.98	187.43	189.29	190.07	189.96	190.29	191.18	193.97	194.41
G 30.0	113.94	113.12	116.41	117.29	117.26	119.48	119.44	116.47	116.56	115.81	114.33	113.01	114.51
G 40.0	58.86	60.74	56.76	56.90	54.50	55.62	57.72	59.48	56.60	54.76	60.04	56.60	55.97
G 50.0	26.40	25.80	25.13	24.58	23.47	26.88	24.66	23.33	23.50	23.58	22.85	22.15	24.22
G 60.0	13.33	13.65	12.55	13.17	12.51	13.27	12.22	11.27	11.23	10.96	11.37	11.72	11.51
G 70.0	8.35	7.82	7.95	7.53	6.37	6.98	6.19	6.74	5.82	6.38	6.24	6.22	6.66
G 80.0	5.44	4.77	5.37	5.11	4.43	3.93	3.40	2.90	3.18	2.55	2.80	2.79	3.77
G 90.0	3.39	3.35	3.19	3.36	2.41	2.09	1.38	0.91	0.86	0.23	0.61	1.08	1.84
G100.0	4.30	3.24	3.66	3.80	2.68	2.88	2.07	1.03	0.69	0.36	1.03	1.38	2.29
G110.0	4.94	4.47	4.92	4.96	5.21	4.68	4.10	3.84	2.82	0.27	2.91	3.30	4.67
G120.0	7.68	7.69	6.91	7.09	6.33	7.23	6.90	5.92	3.99	0.25	3.97	5.32	6.07
G130.0	9.85	9.31	9.34	8.61	8.87	8.50	8.59	7.10	5.72	0.22	5.77	7.59	9.06
G140.0	11.41	12.32	11.07	10.63	10.74	11.09	9.52	8.25	6.03	0.47	6.50	8.92	10.02
G150.0	11.90	12.25	11.77	11.56	12.09	11.76	12.31	10.48	6.62	0.77	6.12	9.62	10.96
G160.0	12.27	11.77	12.10	12.78	12.41	12.39	11.33	9.19	5.25	2.82	5.45	9.63	11.61
G170.0	8.30	8.11	8.22	8.49	8.17	8.35	7.20	5.57	4.01	3.21	3.94	5.82	7.25
G180.0	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37

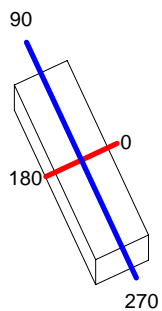
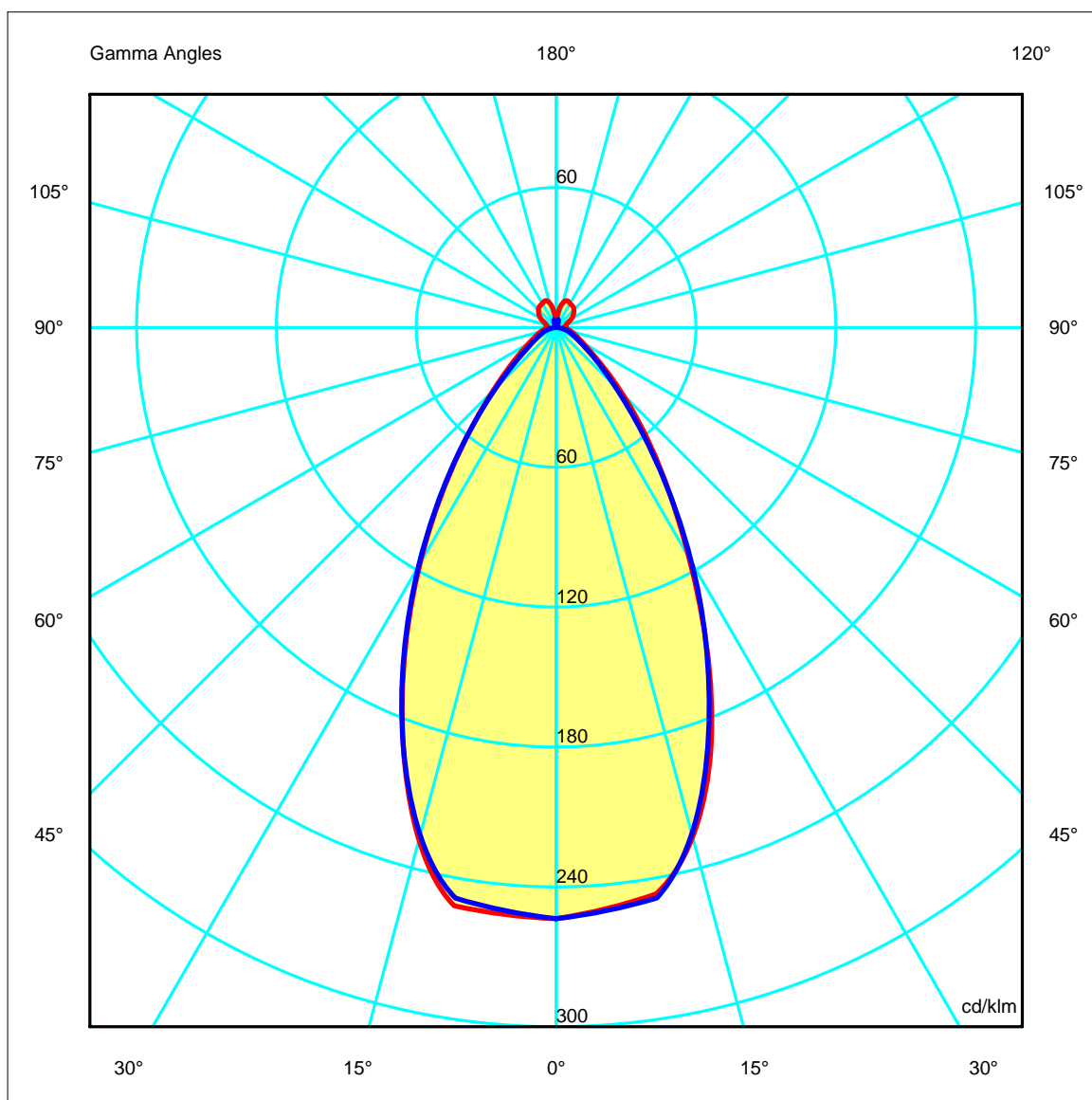
<b>Luminaire</b>				<b>Measurem.</b>				<b>Lamp</b>					
Code	2516			Code	2516			Code	4 led 350mA 3.7W				
Name	4 cluster hanging lamp comp.2			Name	4 cluster hanging lamp comp.2			Number	2				
Line	VIBIA-Cosmos			Date	16-06-2014			Position	Universal				
Efficiency	31.57%			Coordinate system	CG			Total Flux	1934.00 lm				
<b>Luminous Intensity Table cd/klm</b>								<b>Table 2/3</b>					
	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	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61
G 10.0	245.13	245.28	247.08	246.07	250.12	251.92	248.87	250.48	246.49	241.03	239.94	243.24	245.84
G 20.0	193.37	193.19	191.04	187.54	188.68	191.75	189.35	188.21	187.05	184.88	188.27	187.81	187.44
G 30.0	113.58	115.14	115.81	116.19	114.55	116.76	114.24	113.95	112.26	115.77	114.50	116.36	112.79
G 40.0	54.83	54.09	59.49	57.14	58.08	56.95	57.21	55.63	54.69	53.44	53.94	57.21	56.47
G 50.0	23.88	23.45	22.74	24.64	24.34	26.20	26.56	24.88	22.90	24.44	24.85	24.61	24.13
G 60.0	12.71	13.04	12.62	12.88	14.83	13.47	12.41	12.46	13.74	12.57	12.71	11.98	10.91
G 70.0	7.31	6.68	8.20	7.55	7.25	8.45	7.92	8.05	7.82	6.93	6.71	6.21	6.73
G 80.0	4.34	4.22	4.62	4.84	5.18	5.48	4.95	5.05	5.03	4.51	3.60	3.29	2.94
G 90.0	2.44	2.71	2.64	3.39	3.01	3.38	3.38	3.16	3.21	2.38	2.16	1.39	0.92
G100.0	3.04	3.03	3.25	3.78	3.79	4.30	3.24	3.66	3.80	2.68	2.88	2.07	1.03
G110.0	5.19	4.51	4.75	4.86	4.90	4.94	4.47	4.92	4.96	5.21	4.68	4.10	3.84
G120.0	6.34	6.85	6.99	7.83	6.99	7.68	7.69	6.91	7.09	6.33	7.23	6.90	5.92
G130.0	9.04	9.20	8.34	8.85	8.89	9.85	9.31	9.34	8.61	8.87	8.50	8.59	7.10
G140.0	9.96	10.43	11.04	11.30	11.17	11.41	12.32	11.07	10.63	10.74	11.09	9.52	8.25
G150.0	11.69	11.68	12.24	12.78	12.22	11.90	12.25	11.77	11.56	12.09	11.76	12.31	10.48
G160.0	12.85	12.25	11.50	12.07	12.75	12.27	11.77	12.10	12.78	12.41	12.39	11.33	9.19
G170.0	8.30	8.61	8.66	8.60	8.61	8.30	8.11	8.22	8.49	8.17	8.35	7.20	5.57
G180.0	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37

Luminaire					Measurem.					Lamp				
Code	2516				Code	2516				Code	4 led 350mA 3.7W			
Name	4 cluster hanging lamp comp.2				Name	4 cluster hanging lamp comp.2				Number	2			
Line	VIBIA-Cosmos				Date	16-06-2014				Position	Universal			
Efficiency					31.57%		Coordinate system		CG		Total Flux		1934.00 lm	
Luminous Intensity Table cd/klm								Table 3/3						
	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	
G 0.0	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	253.61	
G 10.0	251.92	248.87	250.48	246.49	241.03	239.94	243.24	245.84	246.40	248.61	246.29	243.96	247.21	
G 20.0	191.75	189.35	188.21	187.05	184.88	188.27	187.81	187.44	192.39	191.63	189.78	192.18	191.43	
G 30.0	116.76	114.24	113.95	112.26	115.77	114.50	116.36	112.79	119.07	117.92	118.67	117.22	114.15	
G 40.0	56.95	57.21	55.63	54.69	53.44	53.94	57.21	56.47	59.28	57.14	57.60	56.50	57.56	
G 50.0	26.20	26.56	24.88	22.90	24.44	24.85	24.61	24.13	23.95	22.43	22.10	22.35	24.13	
G 60.0	13.47	12.41	12.46	13.74	12.57	12.71	11.98	10.91	11.74	10.28	11.45	11.28	12.95	
G 70.0	8.45	7.92	8.05	7.82	6.93	6.71	6.21	6.73	5.80	5.87	6.19	6.21	6.80	
G 80.0	5.48	4.95	5.05	5.03	4.51	3.60	3.29	2.94	3.15	2.50	2.64	2.58	3.55	
G 90.0	3.38	3.38	3.16	3.21	2.38	2.16	1.39	0.92	0.92	0.32	0.68	1.16	1.87	
G100.0	4.30	3.24	3.66	3.80	2.68	2.88	2.07	1.03	0.69	0.36	1.03	1.38	2.29	
G110.0	4.94	4.47	4.92	4.96	5.21	4.68	4.10	3.84	2.82	0.27	2.91	3.30	4.67	
G120.0	7.68	7.69	6.91	7.09	6.33	7.23	6.90	5.92	3.99	0.25	3.97	5.32	6.07	
G130.0	9.85	9.31	9.34	8.61	8.87	8.50	8.59	7.10	5.72	0.22	5.77	7.59	9.06	
G140.0	11.41	12.32	11.07	10.63	10.74	11.09	9.52	8.25	6.03	0.47	6.50	8.92	10.02	
G150.0	11.90	12.25	11.77	11.56	12.09	11.76	12.31	10.48	6.62	0.77	6.12	9.62	10.96	
G160.0	12.27	11.77	12.10	12.78	12.41	12.39	11.33	9.19	5.25	2.82	5.45	9.63	11.61	
G170.0	8.30	8.11	8.22	8.49	8.17	8.35	7.20	5.57	4.01	3.21	3.94	5.82	7.25	
G180.0	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

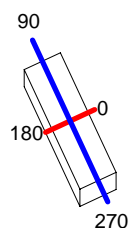
860mm x 260mm

C Halfplanes


 180.0 ————— 0.0  
 270.0 ————— 90.0


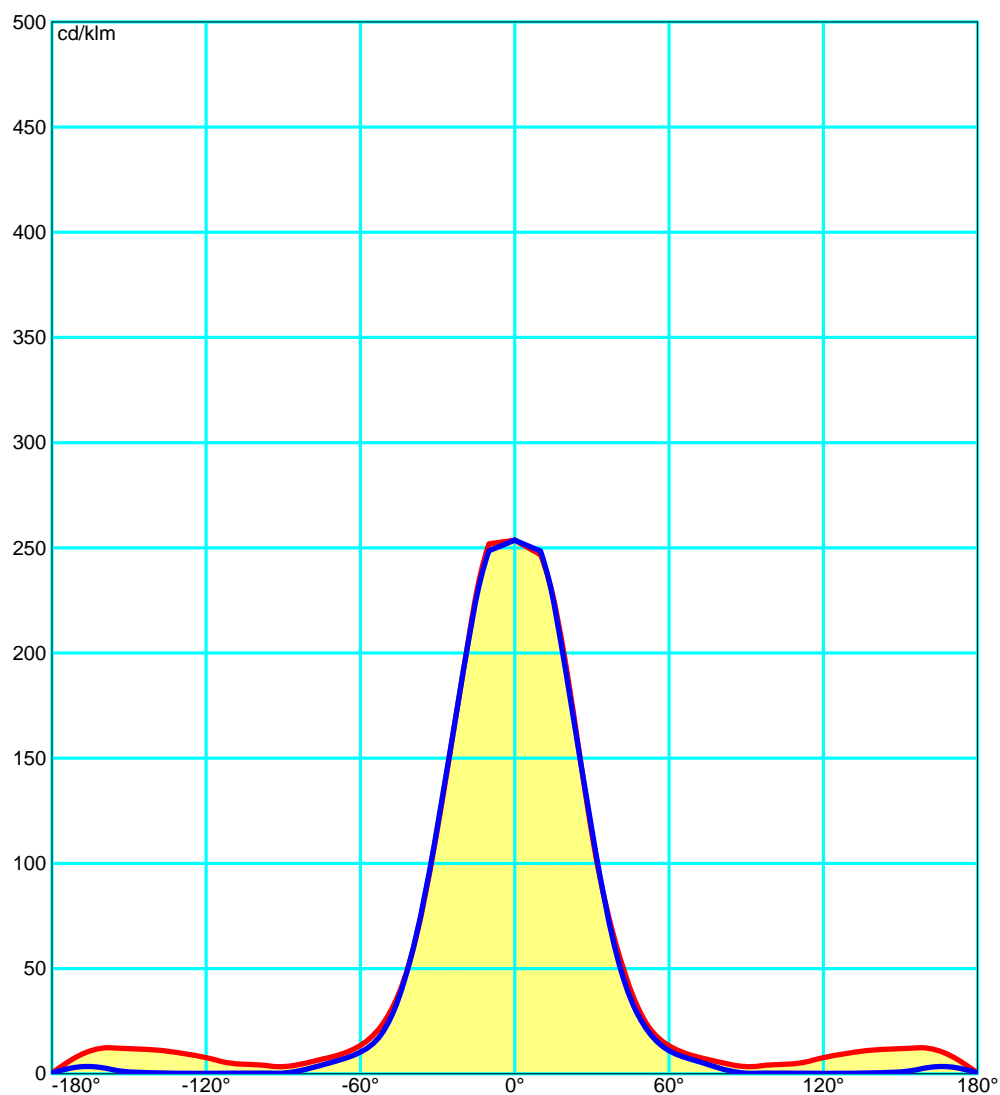
<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

860mm x 260mm



C Halfplanes

180.0 — 0.0  
 270.0 — 90.0



<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

**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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	7.2	8.1	7.7	8.5	8.6	6.9	7.8	7.4	8.2	8.6
x=2H y=3H	8.0	8.7	8.4	9.2	9.1	7.4	8.1	7.9	8.6	9.1
x=2H y=4H	8.4	9.1	8.9	9.5	9.3	7.6	8.3	8.1	8.8	9.3
x=2H y=6H	9.0	9.6	9.5	10.1	9.4	7.8	8.5	8.3	8.9	9.4
x=2H y=8H	9.3	10.0	9.9	10.5	9.6	7.9	8.5	8.4	9.0	9.6
x=2H y=12H	9.8	10.4	10.3	10.9	9.6	7.9	8.5	8.5	9.0	9.6
x=4H y=2H	7.4	8.1	7.9	8.6	8.8	7.2	7.9	7.6	8.3	8.8
x=4H y=3H	8.4	9.0	8.9	9.5	9.5	7.9	8.5	8.4	9.0	9.5
x=4H y=4H	9.0	9.5	9.6	10.0	9.8	8.2	8.7	8.7	9.2	9.8
x=4H y=6H	9.8	10.2	10.4	10.8	10.2	8.5	8.9	9.1	9.5	10.2
x=4H y=8H	10.3	10.7	10.9	11.3	10.3	8.6	9.1	9.2	9.6	10.3
x=4H y=12H	10.9	11.2	11.5	11.8	10.4	8.8	9.1	9.4	9.7	10.4
x=8H y=4H	9.2	9.6	9.8	10.2	10.1	8.5	8.9	9.1	9.4	10.1
x=8H y=6H	10.2	10.5	10.8	11.2	10.6	8.9	9.3	9.6	9.9	10.6
x=8H y=8H	10.8	11.1	11.5	11.7	10.8	9.1	9.4	9.8	10.0	10.8
x=8H y=12H	11.6	11.8	12.3	12.5	11.0	9.3	9.6	10.0	10.2	11.0
x=12H y=4H	9.2	9.6	9.8	10.2	10.1	8.5	8.9	9.1	9.5	10.1
x=12H y=6H	10.3	10.5	10.9	11.2	10.7	9.1	9.3	9.7	10.0	10.7
x=12H y=8H	11.0	11.2	11.6	11.9	11.0	9.4	9.6	10.0	10.2	11.0

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

Total Flux=1934.00 Luminaire Flux=610.58

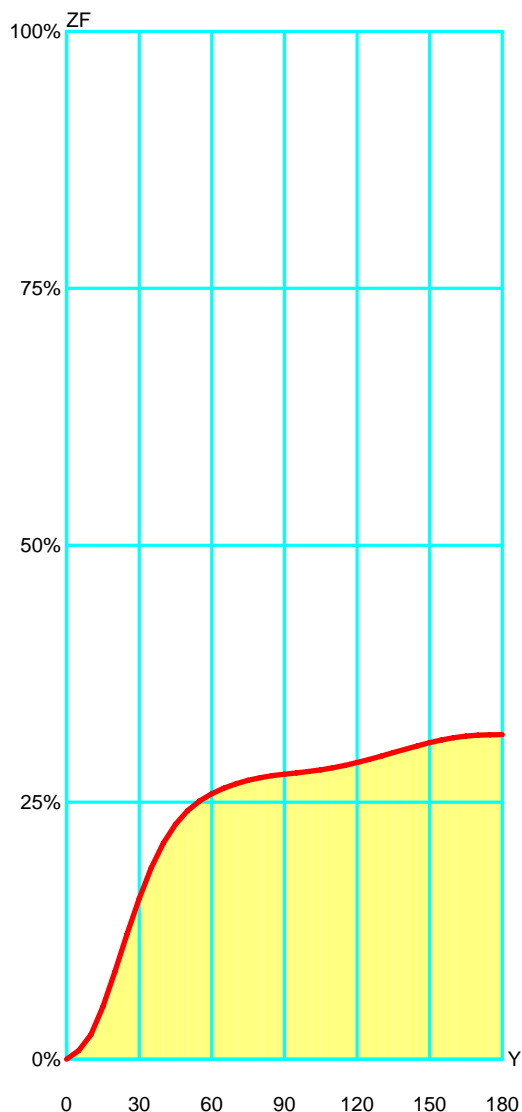
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.55	0.62	0.68	0.73	0.77	0.83	0.87	0.90	0.92	0.94	0.97	0.99
RC	1	1	1	1	1	1	1	1	1	1	-	-

		Zonal Flux per 1000 Lumen																	
Y°		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)		24	86	156	210	242	258	268	274	277	280	284	289	295	302	308	313	315	316

CIE Flux Codes  
78 93 98 88 32

C.I.E. 1/1/1/1/1/1/1/1/1/-/  
D DIN 5040 B61  
F UTE 0.28 B + 0.04 T  
B NBN BZ 1 / 3 / BZ 2  
RN 12.15149 %  
BLF 1.0

LOR 31.57103 %  
ULOR 3.83635 %  
DLOR 27.73468 %  
UFF 12.15149 %  
DFF 87.84851 %  
FFR 13.83232 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	8.43	8.43	2.67%	2.67%
10°	15.42	23.86	4.89%	7.56%
15°	27.16	51.02	8.60%	16.16%
20°	34.67	85.68	10.98%	27.14%
25°	36.28	121.97	11.49%	38.63%
30°	34.36	156.33	10.88%	49.52%
35°	29.86	186.19	9.46%	58.97%
40°	24.24	210.43	7.68%	66.65%
45°	18.22	228.65	5.77%	72.42%
50°	13.20	241.85	4.18%	76.61%
55°	9.50	251.35	3.01%	79.61%
60°	6.97	258.32	2.21%	81.82%
65°	5.44	263.76	1.72%	83.55%
70°	4.29	268.05	1.36%	84.90%
75°	3.35	271.40	1.06%	85.96%
80°	2.55	273.95	0.81%	86.77%
85°	1.92	275.87	0.61%	87.38%
90°	1.48	277.35	0.47%	87.85%
95°	1.27	278.61	0.40%	88.25%
100°	1.32	279.93	0.42%	88.67%
105°	1.60	281.53	0.51%	89.17%
110°	1.97	283.50	0.62%	89.80%
115°	2.38	285.88	0.75%	90.55%
120°	2.74	288.62	0.87%	91.42%
125°	3.05	291.67	0.97%	92.38%
130°	3.26	294.93	1.03%	93.42%
135°	3.38	298.31	1.07%	94.49%
140°	3.37	301.68	1.07%	95.56%
145°	3.25	304.93	1.03%	96.59%
150°	3.02	307.96	0.96%	97.54%
155°	2.68	310.64	0.85%	98.39%
160°	2.19	312.83	0.70%	99.09%
165°	1.58	314.41	0.50%	99.59%
170°	0.94	315.35	0.30%	99.89%
175°	0.34	315.69	0.11%	99.99%
180°	0.02	315.71	0.01%	100.00%

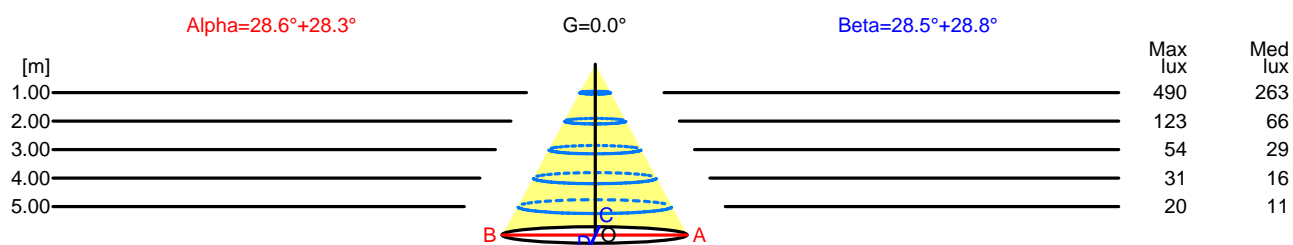


<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.54	1.08	1.61	2.15	2.69	OC	0.54	1.09	1.63	2.17	2.71
OB	0.55	1.09	1.64	2.18	2.73	OD	0.55	1.10	1.65	2.20	2.74

	0	5	15	25	35	45	55	65	75	85
OA	490.49	483.86	437.50	296.76	159.94	77.49	34.90	20.04	13.18	7.97
OB	490.49	488.85	440.02	297.05	161.85	74.11	35.53	20.16	13.34	7.97
OC	490.49	485.54	434.68	295.45	158.86	69.24	30.41	15.93	8.60	2.05
OD	490.49	485.65	436.03	298.77	164.01	70.38	27.95	14.99	7.99	2.20



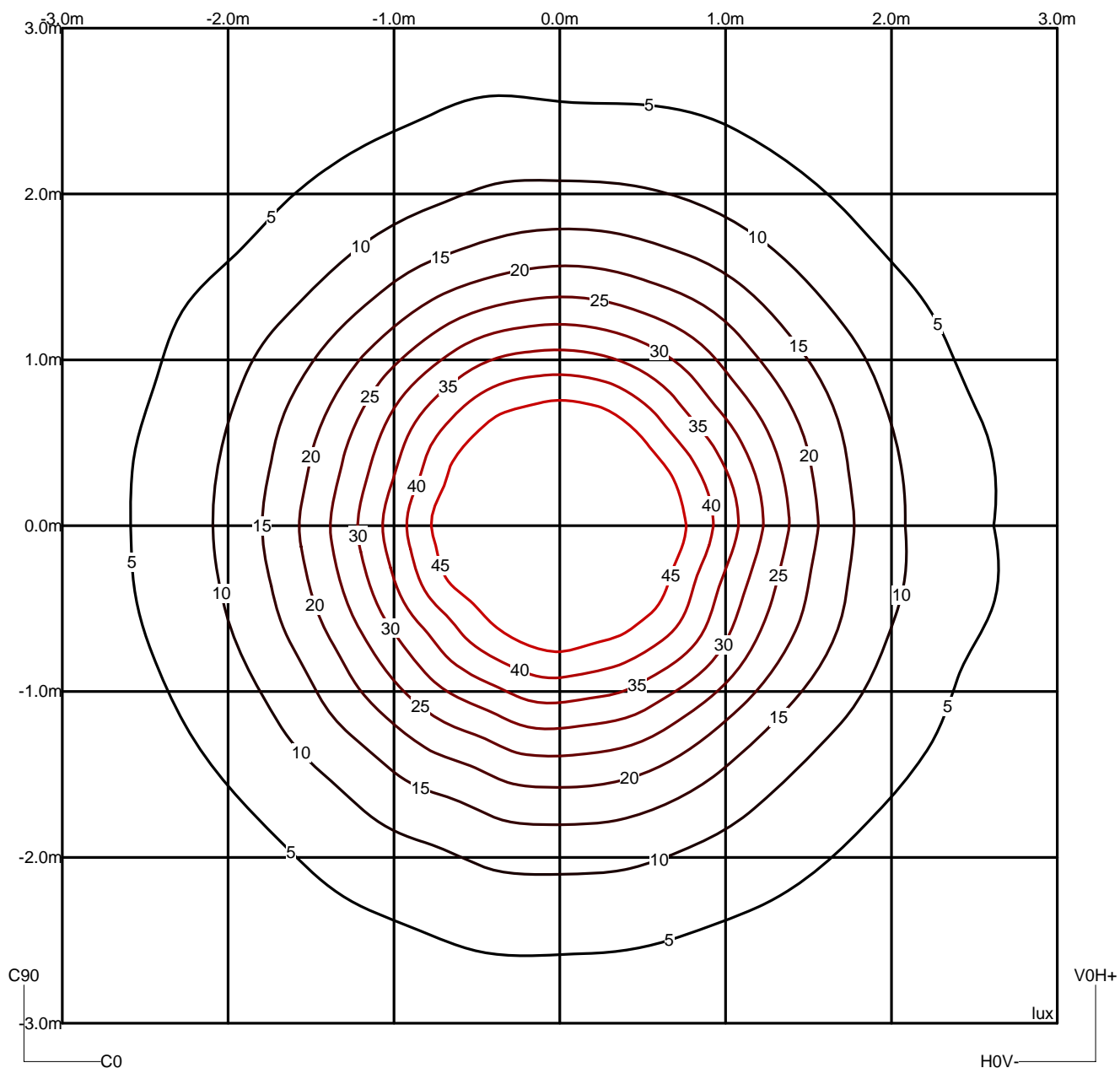
H[m]	D[m]	Max lux	Med lux	Alpha=28.6°+28.3°	G=0.0	
1.00	1.08	490	263			
2.00	2.17	123	66			
3.00	3.25	54	29			
4.00	4.33	31	16			
5.00	5.42	20	11			

H[m]	D[m]	Max lux	Med lux	Beta=28.8°+28.5°	G=0.0	
1.00	1.09	490	263			
2.00	2.18	123	66			
3.00	3.27	54	29			
4.00	4.37	31	16			
5.00	5.46	20	11			

<b>Luminaire</b>		<b>Measurem.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



<b>Luminaire</b>				<b>Measur.</b>				<b>Lamp</b>			
Code	2516			Code	2516			Code	4 led 350mA 3.7W		
Name	4 cluster hanging lamp comp.2			Name	4 cluster hanging lamp comp.2			Number	2		
Line	VIBIA-Cosmos			Date	16-06-2014			Position	Universal		
Efficiency	31.57%			Coordinate system	CG			Total Flux	1934.00 lm		

#### Utilizations CIE

Mounting	Direct		Normalization		Normalised		Suspension Ratio		b/3		Standard CIE Settings												
Ceiling																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	85	76	67	61	73	58	56	47	45	39	37	28	31	21	36	30	26	25	20	25	21	18	14
0.80	97	89	72	67	85	64	67	58	51	45	42	33	35	26	42	35	32	30	25	30	26	22	17
1.00	106	98	74	69	94	66	76	67	54	49	46	38	39	30	46	39	36	33	28	34	29	26	19
1.25	114	107	75	71	102	68	84	77	57	53	49	42	42	34	49	43	40	37	32	38	33	30	21
1.50	119	113	75	72	108	69	92	84	60	55	52	45	45	37	52	46	43	40	36	41	36	33	23
2.00	127	122	75	72	116	70	102	95	62	58	55	50	50	43	55	50	47	45	41	45	41	38	26
2.50	132	128	74	72	122	70	110	104	63	60	58	53	53	47	57	53	51	49	45	49	45	42	27
3.00	136	132	73	72	126	70	115	110	64	62	59	55	55	50	59	55	53	51	48	51	48	45	29
4.00	141	138	73	72	132	70	123	119	66	64	62	58	58	54	61	58	56	55	52	54	52	49	31
5.00	144	142	73	72	136	70	128	124	67	65	63	61	61	57	63	60	59	57	55	57	55	52	32
10.00	152	150	72	72	144	70	140	138	69	68	67	65	65	63	66	64	64	63	62	62	61	59	35
20.00	155	155	72	71	149	70	147	145	70	69	69	68	68	67	67	67	66	66	65	65	64	63	37

#### Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	110	106	88	85	103	83	81	77	67	64	56	53	48	45	62	53	52	46	44	51	45	43	37
0.80	124	119	95	92	115	90	94	90	75	72	64	60	56	52	69	60	59	53	51	58	51	50	42
1.00	132	127	97	95	122	92	102	97	78	75	69	64	61	57	73	64	63	57	55	61	55	53	44
1.25	139	135	99	97	129	94	110	105	82	79	73	69	65	61	76	68	66	62	59	64	59	56	47
1.50	145	140	100	98	134	95	116	111	84	82	76	72	69	64	78	70	69	65	62	66	61	58	48
2.00	149	145	98	96	137	93	122	118	84	82	77	73	71	67	77	71	70	66	64	66	62	59	47
2.50	150	147	95	94	139	90	126	121	83	81	77	74	72	68	76	71	69	66	64	65	62	58	45
3.00	150	147	92	90	139	87	127	123	81	79	76	73	71	67	73	69	68	66	63	64	61	56	43
4.00	153	151	90	89	141	85	132	128	81	79	77	74	73	69	73	70	69	67	65	64	61	56	42
5.00	155	153	89	88	142	84	134	131	80	79	77	75	74	71	73	70	69	67	65	63	61	56	41
10.00	154	153	82	82	141	78	137	135	76	75	74	72	72	70	68	66	66	65	64	59	58	52	36
20.00	143	143	68	67	130	63	128	127	63	62	62	61	61	60	54	54	53	53	52	46	46	39	22

#### Working Pl.

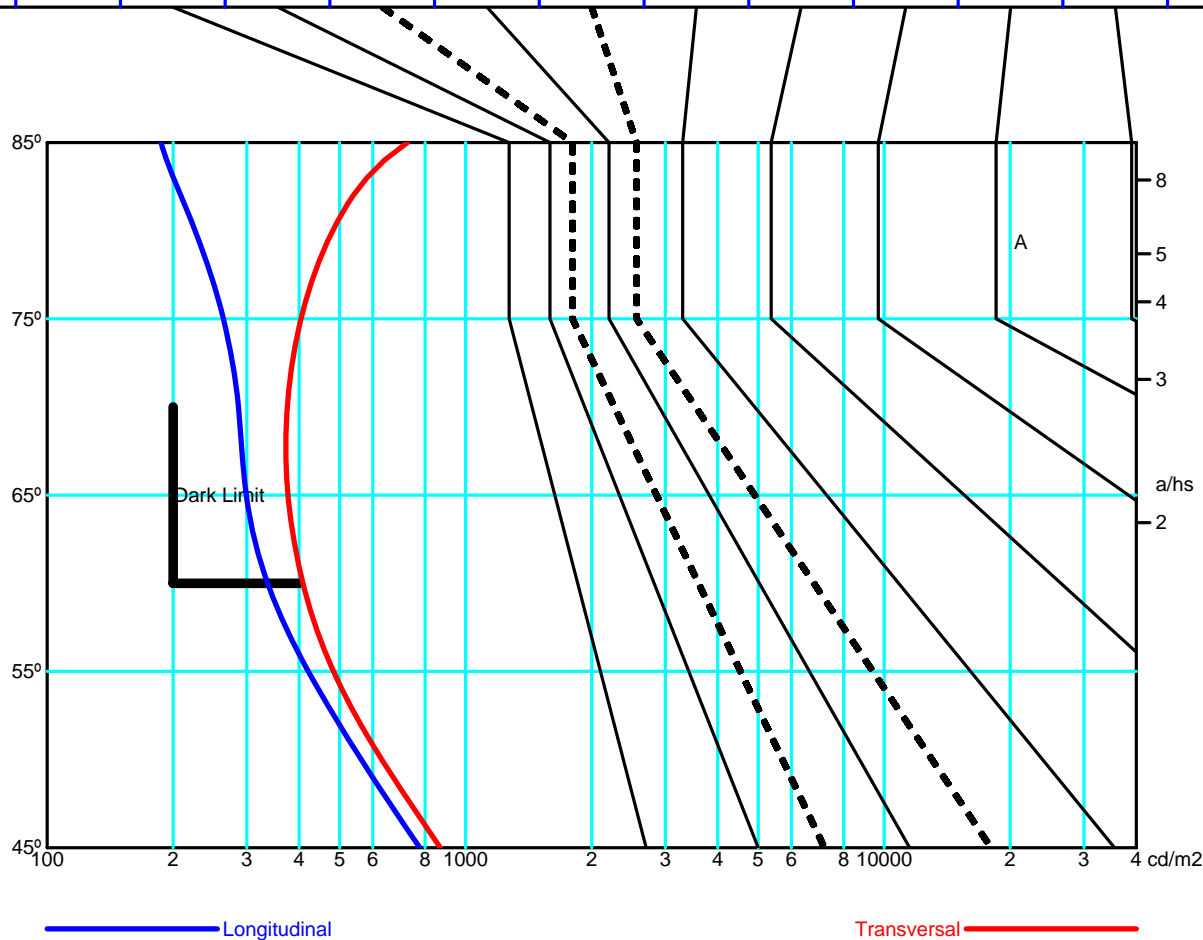
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	229	224	213	210	220	207	194	190	187	184	173	169	163	159	182	169	168	160	159	167	159	157	154
0.80	256	250	235	232	245	228	219	214	209	205	195	190	184	180	202	190	188	180	178	186	178	176	172
1.00	278	272	253	249	266	245	240	235	227	224	214	209	203	198	219	208	206	199	196	203	195	193	189
1.25	297	291	268	264	284	260	260	254	243	240	231	225	221	215	234	224	222	215	212	218	211	207	203
1.50	312	306	278	275	297	270	275	269	255	252	243	238	234	228	245	235	233	227	224	229	222	218	213
2.00	333	328	293	291	317	285	298	292	273	270	263	258	255	249	262	254	252	247	244	246	240	235	230
2.50	347	342	302	300	330	294	313	308	284	281	276	271	269	263	273	266	264	260	257	257	252	246	241
3.00	356	352	309	307	339	301	325	319	292	290	285	280	279	273	280	274	272	269	266	265	261	253	249
4.00	368	364	316	314	350	307	338	333	301	299	295	291	290	285	288	283	282	279	276	273	270	261	256
5.00	375	372	320	318	357	312	347	342	306	304	301	298	297	292	293	289	288	286	283	278	275	266	261
10.00	390	389	328	327	371	320	365	363	317	316	315	313	312	309	303	301	300	299	298	289	287	276	270
20.00	398	397	332	332	379	324	376	374	323	322	322	321	321	319	308	308	307	307	306	294	294	281	275

LM53 SHR C0-C180: 0.870 SHR C90-C270: 0.859 SHR Square: 0.892

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

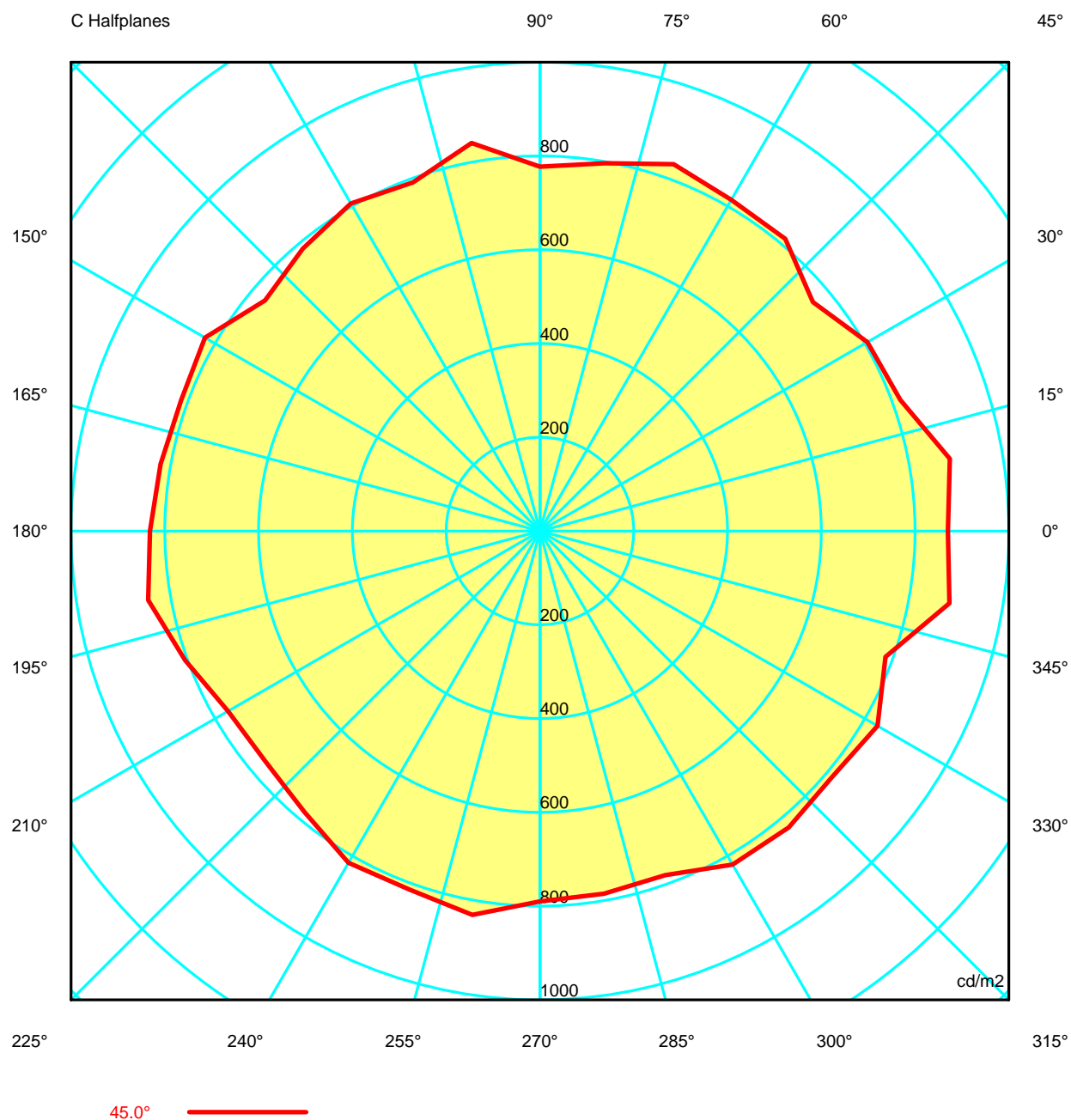
Average Luminance [cd/m²]									
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°
870	630	483	409	376	375	404	481	725	---
90.0°	777	563	421	336	299	286	264	226	187
									---

Flush mounted or longitudinal 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



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	2516	Code	2516	Code	4 led 350mA 3.7W
Name	4 cluster hanging lamp comp.2	Name	4 cluster hanging lamp comp.2	Number	2
Line	VIBIA-Cosmos	Date	16-06-2014	Position	Universal
Efficiency	31.57%	Coordinate system	CG	Total Flux	1934.00 lm

Luminance



Luminaire					Measurem.					Lamp				
Code	2516				Code	2516				Code	4 led 350mA 3.7W			
Name	4 cluster hanging lamp comp.2				Name	4 cluster hanging lamp comp.2				Number	2			
Line	VIBIA-Cosmos				Date	16-06-2014				Position	Universal			
Efficiency		31.57%			Coordinate system		CG			Total Flux		1934.00 lm		
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	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	
G 5.0	3854.82	3885.48	3849.74	3842.91	3837.44	3843.09	3854.07	3867.76	3863.97	3868.23	3847.13	3883.69	3853.19	
G 10.0	3845.99	3806.22	3835.71	3821.90	3810.83	3822.25	3844.47	3872.16	3864.51	3873.11	3830.42	3806.65	3842.69	
G 15.0	3594.74	3567.03	3540.96	3504.04	3471.45	3506.93	3539.39	3570.21	3562.91	3571.57	3561.56	3575.86	3597.20	
G 20.0	3164.03	3151.23	3093.60	3047.55	3005.25	3061.47	3091.95	3104.72	3102.91	3108.29	3122.71	3168.35	3175.57	
G 25.0	2598.73	2583.05	2585.35	2566.83	2546.32	2601.81	2611.67	2581.39	2588.52	2587.21	2574.70	2599.52	2617.22	
G 30.0	2019.53	2004.96	2063.20	2078.83	2078.30	2117.69	2116.84	2064.20	2065.90	2052.61	2026.43	2002.92	2029.49	
G 35.0	1549.64	1563.62	1566.26	1585.66	1566.42	1588.50	1612.81	1600.88	1569.21	1539.11	1580.20	1520.99	1526.01	
G 40.0	1179.29	1217.02	1137.35	1140.09	1091.96	1114.41	1156.61	1191.88	1134.11	1097.19	1202.93	1134.13	1121.56	
G 45.0	869.76	887.55	817.84	806.16	759.76	813.53	815.74	832.85	796.67	777.13	840.35	791.50	806.78	
G 50.0	630.42	616.18	599.96	586.87	560.39	641.87	588.94	557.00	561.22	563.07	545.59	528.88	578.27	
G 55.0	482.96	472.59	461.70	465.01	448.83	510.84	453.01	405.14	420.72	420.83	396.53	400.71	433.34	
G 60.0	409.13	419.10	385.28	404.40	384.15	407.44	375.07	345.84	344.76	336.42	348.98	359.90	353.41	
G 65.0	376.31	380.59	352.96	361.04	325.68	342.41	317.07	319.76	293.23	299.20	314.93	322.36	312.65	
G 70.0	374.81	351.10	356.65	338.03	286.00	313.29	277.96	302.64	261.33	286.48	280.26	279.08	298.77	
G 75.0	404.26	355.12	392.39	361.73	305.18	313.07	272.42	278.65	257.85	263.76	257.39	250.54	303.05	
G 80.0	480.99	421.33	474.69	451.62	391.98	347.81	300.96	256.50	280.73	225.64	247.47	246.50	333.64	
G 85.0	725.35	685.04	716.86	717.09	596.22	486.03	385.92	291.27	337.90	187.04	258.58	303.36	460.20	
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Luminaire					Measurem.					Lamp				
Code	2516				Code	2516				Code	4 led 350mA 3.7W			
Name	4 cluster hanging lamp comp.2				Name	4 cluster hanging lamp comp.2				Number	2			
Line	VIBIA-Cosmos				Date	16-06-2014				Position	Universal			
Efficiency					31.57%		Coordinate system		CG		Total Flux		1934.00 lm	
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	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	
G 5.0	3842.27	3843.40	3857.28	3849.52	3880.75	3894.60	3871.05	3883.48	3852.74	3872.92	3851.26	3827.68	3847.76	
G 10.0	3820.59	3822.89	3850.96	3835.27	3898.44	3926.46	3878.83	3903.98	3841.77	3756.76	3739.64	3791.08	3831.71	
G 15.0	3575.67	3571.75	3568.84	3523.49	3575.02	3615.40	3569.92	3573.37	3529.51	3451.24	3476.99	3500.22	3527.08	
G 20.0	3158.49	3155.61	3120.54	3063.33	3081.91	3132.04	3092.84	3074.22	3055.26	3019.89	3075.19	3067.68	3061.62	
G 25.0	2602.19	2617.23	2586.69	2563.30	2547.44	2601.22	2557.11	2541.85	2521.59	2550.07	2572.77	2573.33	2529.46	
G 30.0	2013.14	2040.71	2052.50	2059.41	2030.27	2069.45	2024.71	2019.62	1989.73	2051.94	2029.43	2062.41	1999.02	
G 35.0	1505.88	1516.87	1592.45	1573.92	1567.72	1568.12	1545.12	1531.82	1508.22	1531.24	1512.95	1573.97	1528.16	
G 40.0	1098.63	1083.74	1191.94	1144.96	1163.72	1141.05	1146.36	1114.72	1095.84	1070.80	1080.73	1146.33	1131.43	
G 45.0	786.60	765.48	825.14	814.62	821.80	831.75	848.31	805.40	768.12	764.37	781.98	817.03	813.62	
G 50.0	570.23	559.90	543.12	588.40	581.16	625.63	634.17	594.07	546.72	583.68	593.47	587.56	576.09	
G 55.0	448.64	452.93	412.97	459.02	482.19	491.62	478.72	457.87	448.95	465.34	470.54	447.19	419.71	
G 60.0	390.23	400.28	387.45	395.45	455.27	413.52	380.90	382.63	421.71	385.78	390.27	367.73	334.79	
G 65.0	351.24	346.04	377.57	356.82	393.72	378.63	346.15	355.09	386.42	333.38	335.07	313.28	304.96	
G 70.0	327.86	299.70	367.91	338.89	325.17	379.02	355.58	361.21	350.74	310.93	301.08	278.57	301.85	
G 75.0	333.78	303.01	371.31	354.58	342.73	409.04	378.30	385.42	362.91	329.81	291.06	270.34	284.90	
G 80.0	383.47	373.44	408.75	427.60	458.23	484.12	437.91	446.54	444.70	398.77	318.05	290.98	259.96	
G 85.0	561.03	589.80	586.62	688.98	705.99	725.51	695.50	677.04	692.98	586.96	463.99	373.57	292.01	
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Luminaire					Measur.					Lamp				
Code	2516				Code	2516				Code	4 led 350mA 3.7W			
Name	4 cluster hanging lamp comp.2				Name	4 cluster hanging lamp comp.2				Number	2			
Line	VIBIA-Cosmos				Date	16-06-2014				Position	Universal			
Efficiency					31.57%		Coordinate system		CG		Total Flux		1934.00 lm	
Luminance cd/m2					Table 3/3									
	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	
G 0.0	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	3892.74	
G 5.0	3894.60	3871.05	3883.48	3852.74	3872.92	3851.26	3827.68	3847.76	3852.05	3869.09	3851.17	3887.84	3858.31	
G 10.0	3926.46	3878.83	3903.98	3841.77	3756.76	3739.64	3791.08	3831.71	3840.39	3874.87	3838.60	3802.29	3853.04	
G 15.0	3615.40	3569.92	3573.37	3529.51	3451.24	3476.99	3500.22	3527.08	3568.71	3582.67	3542.57	3547.24	3575.95	
G 20.0	3132.04	3092.84	3074.22	3055.26	3019.89	3075.19	3067.68	3061.62	3142.48	3130.18	3099.90	3139.17	3126.84	
G 25.0	2601.22	2557.11	2541.85	2521.59	2550.07	2572.77	2573.33	2529.46	2636.10	2616.34	2608.47	2625.29	2578.34	
G 30.0	2069.45	2024.71	2019.62	1989.73	2051.94	2029.43	2062.41	1999.02	2110.36	2090.06	2103.27	2077.59	2023.17	
G 35.0	1568.12	1545.12	1531.82	1508.22	1531.24	1512.95	1573.97	1528.16	1620.13	1589.00	1607.02	1570.52	1548.44	
G 40.0	1141.05	1146.36	1114.72	1095.84	1070.80	1080.73	1146.33	1131.43	1187.70	1144.98	1154.10	1132.02	1153.38	
G 45.0	831.75	848.31	805.40	768.12	764.37	781.98	817.03	813.62	831.04	789.89	785.49	781.07	821.25	
G 50.0	625.63	634.17	594.07	546.72	583.68	593.47	587.56	576.09	571.80	535.66	527.71	533.59	576.30	
G 55.0	491.62	478.72	457.87	448.95	465.34	470.54	447.19	419.71	428.51	386.70	398.46	401.14	449.46	
G 60.0	413.52	380.90	382.63	421.71	385.78	390.27	367.73	334.79	360.34	315.73	351.47	346.20	397.54	
G 65.0	378.63	346.15	355.09	386.42	333.38	335.07	313.28	304.96	304.72	281.44	315.28	310.98	350.29	
G 70.0	379.02	355.58	361.21	350.74	310.93	301.08	278.57	301.85	260.45	263.64	277.92	278.86	305.00	
G 75.0	409.04	378.30	385.42	362.91	329.81	291.06	270.34	284.90	251.82	244.88	249.10	246.88	287.98	
G 80.0	484.12	437.91	446.54	444.70	398.77	318.05	290.98	259.96	278.86	221.03	233.16	228.11	313.71	
G 85.0	725.51	695.50	677.04	692.98	586.96	463.99	373.57	292.01	345.59	200.51	250.39	286.07	444.90	
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	