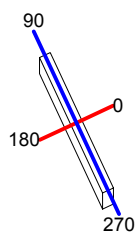


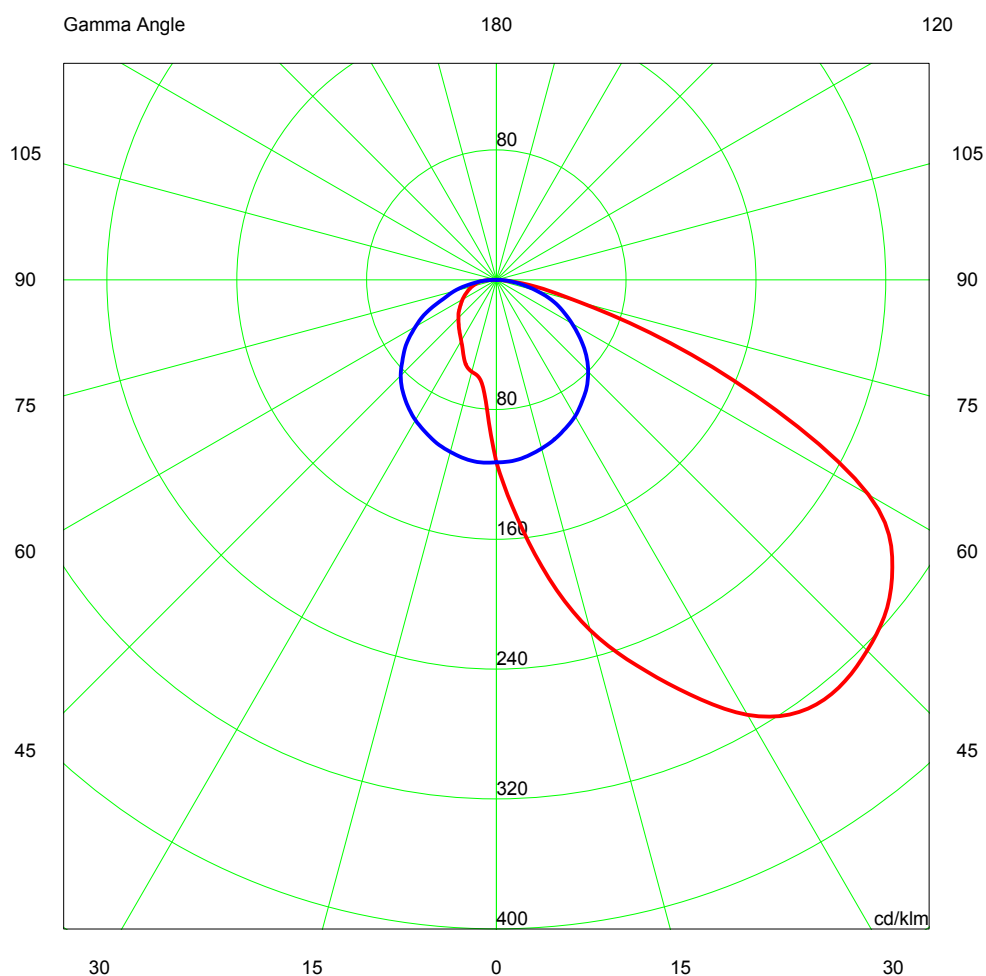
Luminaire			Measurement			Lamp	
Code	ARL T5-1510 80W No Glass		Code	CLF1414/07-021		Code	
Name	ARL T5-1510 80W ASIM.WITH DFS		Name	ARL T5-1510 80W ASIM.WITH DFS		Number	1
Line	AGABEKOV		Date	08-03-2007		Position	
Efficiency	57.03%		Coordinate system	C-G		Total Flux	6150.00 lm
Maximum value	328.13 cd/klm		Position	C=0.00 G=40.00		Asymmetrical	
Rectangular Luminaire	Length	1500 mm	Width	120 mm	Height	105 mm	
Rectangular Luminous Area	Length	1480 mm	Width	94 mm	Height	0	
Horizontal Luminous Area	0.139120 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°		0.033656 m2			
Symmetry Type	Asymmetrical	Maximum Gamma Angle		90			
Measurement Distance	0.00	Measurement Flux		6150.00 lm			
Operator	OxyTech	Source Voltage		0.00 V			
Temperature	0.00 °C	Source Current		0.00 A			
Humidity	0.00 %	Photocell					
Notes	1 * FQ 80 W/840 HO = 6150 lm						
C.I.E.	7/7/6/6/6/6/6/6/6/5/5		D DIN 5040	A20			
F UTE	0.57 E		B NBN	BZ 6/0.8 / BZ 5			

1500mm x 120mm



C Halfplanes
180.0 — 0.0
90.0 — 270.0

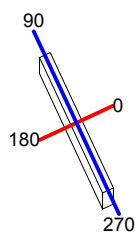
ULOR 0.00
DLOR 57.03



Luminaire												Measurement		Lamp	
Code	ARL T5-1510 80W No Glass											Code	CLF1414/07-02I		
Name	ARL T5-1510 80W ASIM.WITH DFS											Name	ARL T5-1510 80W ASIM.WITH DFS	Number	1
Line	AGABEKOV											Date	08-03-2007	Position	
Efficiency		57.03%				Coordinate system		C-G		Total Flux		6150.00 lm			
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	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00			
G 0.0	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48			
G 5.0	147.15	150.26	142.28	142.66	132.70	124.31	112.93	100.00	93.12	79.88	83.53	72.08			
G 10.0	186.95	187.56	177.86	169.83	153.15	136.44	111.92	86.42	71.11	61.11	60.17	59.60			
G 15.0	223.65	220.82	207.91	193.09	170.36	145.29	109.78	72.84	59.44	58.36	57.57	57.18			
G 20.0	252.91	248.67	234.16	213.90	186.04	151.63	107.16	63.14	57.48	56.30	56.72	54.07			
G 25.0	281.89	275.51	256.58	231.91	199.16	157.69	103.55	57.58	54.89	54.85	50.09	47.60			
G 30.0	309.51	302.27	280.17	248.14	209.87	162.41	99.79	54.46	53.13	47.98	45.22	43.11			
G 35.0	325.11	316.76	299.28	264.40	217.80	165.24	95.13	51.53	49.33	42.91	40.42	38.65			
G 40.0	328.13	319.56	303.52	274.92	224.69	166.14	89.80	48.00	43.17	38.52	36.97	35.47			
G 45.0	323.08	314.39	300.21	272.73	230.80	164.11	83.35	44.08	38.54	34.12	33.14	32.07			
G 50.0	314.32	304.87	290.65	264.44	231.36	160.02	75.27	41.00	33.30	30.79	30.17	29.17			
G 55.0	297.68	288.37	276.63	250.82	221.65	151.98	67.21	33.89	29.05	27.20	26.92	26.39			
G 60.0	264.77	253.01	254.84	231.96	206.19	145.25	57.37	27.84	24.67	23.89	24.06	23.17			
G 65.0	190.42	179.19	198.38	204.31	186.45	138.65	47.60	22.60	21.21	20.41	20.69	20.28			
G 70.0	114.33	103.33	124.56	135.39	164.47	121.42	35.11	17.32	17.02	17.16	17.59	17.72			
G 75.0	52.82	47.44	52.46	63.92	122.01	100.51	27.09	12.34	13.66	14.32	14.76	14.54			
G 80.0	25.04	21.46	22.79	22.99	47.68	74.47	17.27	8.80	10.49	10.88	12.12	11.66			
G 85.0	4.94	2.45	6.27	4.73	14.97	26.65	8.62	5.92	7.64	8.03	8.83	8.97			
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			
	C 180.00	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00			
G 0.0	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48	112.48			
G 5.0	75.15	63.78	64.32	73.45	79.81	97.60	112.09	125.30	140.92	148.29	159.53	159.68			
G 10.0	61.23	59.65	60.03	59.44	63.51	82.25	110.25	135.98	159.69	176.87	194.21	197.00			
G 15.0	58.67	58.20	57.62	56.68	58.75	70.52	107.63	144.15	174.37	198.14	219.40	225.63			
G 20.0	55.26	51.62	54.03	55.08	56.02	61.51	104.60	149.68	189.74	219.24	244.12	251.18			
G 25.0	48.74	46.27	47.65	51.33	53.48	55.63	100.92	155.23	200.97	235.11	266.15	280.49			
G 30.0	43.34	41.67	43.07	45.13	51.52	53.10	97.02	159.69	211.38	251.91	287.10	302.82			
G 35.0	39.54	36.53	38.85	41.10	46.19	50.06	91.88	162.08	217.65	266.49	298.25	313.42			
G 40.0	36.11	35.06	35.13	37.00	40.15	45.83	86.55	162.50	225.02	274.40	299.03	313.31			
G 45.0	33.10	31.96	31.84	32.86	35.55	42.36	79.94	160.41	227.95	270.28	293.24	306.85			
G 50.0	30.17	28.78	28.61	29.31	30.89	38.72	72.21	154.90	222.67	261.62	279.83	295.16			
G 55.0	26.86	25.78	25.39	25.93	26.92	32.92	63.05	148.28	211.03	245.75	263.97	275.92			
G 60.0	24.03	22.75	22.67	22.51	22.78	26.41	53.73	142.29	194.17	227.56	231.99	231.95			
G 65.0	20.96	19.84	19.69	19.33	18.93	20.59	44.98	133.79	175.23	200.49	162.53	151.81			
G 70.0	18.13	16.90	16.67	16.07	15.67	16.48	36.07	117.34	143.87	123.92	89.52	84.62			
G 75.0	15.31	14.10	13.66	13.19	12.04	11.81	25.00	93.94	86.31	57.69	39.73	37.47			
G 80.0	12.46	11.05	10.81	10.19	9.15	8.08	14.91	67.73	30.62	22.21	14.44	16.90			
G 85.0	9.00	7.81	7.50	7.24	6.18	5.37	6.75	17.18	8.63	3.78	1.40	1.48			
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			

Luminaire			Measurement			Lamp	
Code	ARL T5-1510 80W With Frosted Glass		Code	CLF1414/07-01I		Code	
Name	ARL T5-1510 80W FDH ASIMM.		Name	ARL T5-1510 80W FDH ASIMM.		Number	1
Line	AGABEKOV		Date	12-02-2007		Position	
Efficiency	53.20%		Coordinate system	C-G		Total Flux	6150.00 lm
Maximum value	246.85 cd/klm		Position	C=0.00 G=25.00		Asymmetrical	
Rectangular Luminaire	Length	1500 mm	Width	120 mm	Height	105 mm	
Rectangular Luminous Area	Length	1480 mm	Width	94 mm	Height	0	
Horizontal Luminous Area	0.139120 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°		0.033656 m2			
Symmetry Type	Asymmetrical		Maximum Gamma Angle		90		
Measurement Distance	0.00		Measurement Flux		6150.00 lm		
Operator	OxyTech Srl		Source Voltage		0.00 V		
Temperature	0.00 °C		Source Current		0.00 A		
Humidity	0.00 %		Photocell				
Notes	1 * FQ 80 W/840 HO = 6150 lm						
C.I.E.	5	D DIN 5040		A30			
F UTE	0.53 E	B NBN		BZ 5/1.25 / BZ 4/1.5 / BZ 5/2 / BZ 4/3 / BZ 5/4 / BZ 4			

1500mm x 120mm



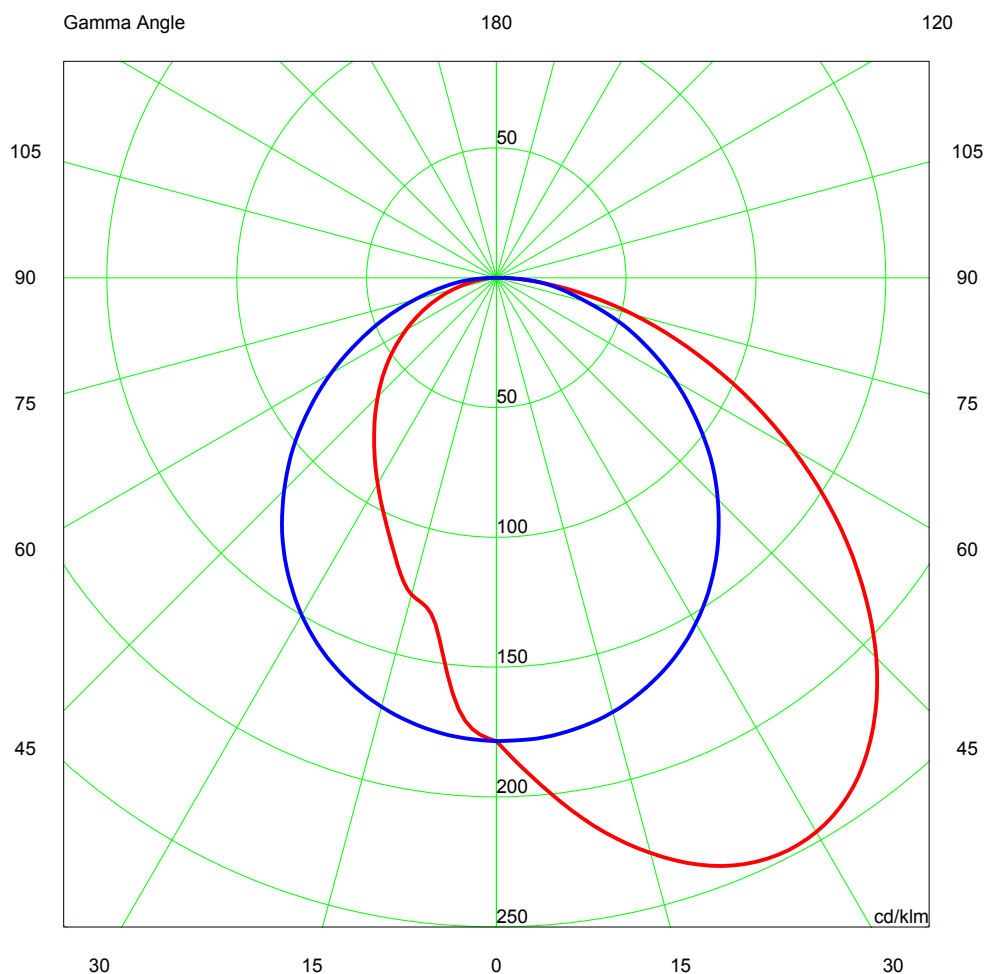
C Halfplanes

180.0 — 0.0

90.0 — 270.0

ULOR 0.00

DLOR 53.20



Luminaire				Measurement							Lamp		
Code	ARL T5-1510 80W With Frosted Glass			Code	CLF1414/07-011							Code	
Name	ARL T5-1510 80W FDH ASIMM.			Name	ARFL T5-1510 80W FDH ASIMM.							Number	1
Line	AGABEKOV			Date	12-02-2007							Position	
Efficiency		53.20%			Coordinate system		C-G			Total Flux		6150.00 lm	
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	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	
G 0.0	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	
G 5.0	195.97	196.46	194.10	190.97	186.64	182.37	177.43	172.69	168.02	164.25	162.14	160.09	
G 10.0	214.08	212.19	207.47	201.86	193.26	184.65	174.94	165.73	157.13	150.58	145.92	142.75	
G 15.0	229.32	225.73	218.75	210.29	197.64	185.03	171.01	158.03	146.16	137.66	131.43	127.20	
G 20.0	240.96	235.03	226.03	215.80	199.35	183.31	165.54	149.41	135.03	124.99	118.06	113.99	
G 25.0	246.85	238.59	228.33	216.99	197.59	179.19	158.59	140.21	124.12	113.04	106.38	102.35	
G 30.0	246.44	236.06	225.05	213.52	193.21	172.43	149.96	130.13	113.06	102.39	95.51	91.77	
G 35.0	239.47	227.17	215.96	205.35	184.46	163.17	139.77	119.67	102.72	91.98	85.28	83.68	
G 40.0	225.80	212.20	201.85	192.15	172.12	151.20	128.35	108.57	92.03	82.02	77.15	74.23	
G 45.0	206.89	193.02	183.19	174.93	156.53	136.96	115.55	97.02	81.57	72.29	68.02	65.37	
G 50.0	183.84	170.01	161.14	155.10	138.72	123.77	102.26	85.11	70.74	62.83	58.87	56.55	
G 55.0	158.63	144.90	137.14	133.28	119.62	107.06	87.92	72.90	60.61	53.62	49.83	48.07	
G 60.0	131.63	119.27	112.80	109.69	99.34	89.83	73.52	60.73	50.23	44.23	40.23	39.93	
G 65.0	104.70	93.48	88.62	86.77	79.85	73.42	59.10	48.89	39.78	35.01	31.46	31.42	
G 70.0	78.56	68.71	64.45	64.98	61.21	57.31	45.64	35.07	29.59	25.70	22.89	23.21	
G 75.0	54.60	46.08	43.24	43.79	42.55	43.06	32.48	25.50	20.02	17.29	14.98	15.36	
G 80.0	32.04	25.81	24.27	24.96	25.34	31.05	21.10	15.47	11.55	9.77	7.93	8.68	
G 85.0	13.70	9.09	8.60	10.00	11.90	18.94	11.50	7.25	4.54	3.63	2.21	3.06	
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	
	C 180.00	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	
G 0.0	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	178.45	
G 5.0	166.78	160.67	161.71	164.92	168.66	173.07	178.14	182.95	187.58	191.40	195.19	196.29	
G 10.0	135.35	143.26	145.94	151.27	158.02	166.66	176.36	185.69	195.36	202.60	210.52	213.74	
G 15.0	126.31	128.41	131.32	137.56	147.31	158.90	173.17	186.72	200.98	211.96	223.41	227.94	
G 20.0	114.11	115.33	118.15	125.13	136.32	150.27	168.11	185.66	204.19	218.28	232.87	238.91	
G 25.0	101.86	103.95	106.39	113.50	125.39	141.15	161.73	182.14	204.18	220.74	237.92	244.22	
G 30.0	91.50	93.14	95.64	102.45	114.57	131.29	153.64	176.11	200.57	218.58	237.48	243.51	
G 35.0	81.91	83.71	85.86	92.25	104.02	120.73	143.93	168.59	193.07	211.39	231.02	236.34	
G 40.0	73.03	74.62	76.71	82.51	93.66	109.65	132.79	157.38	181.60	199.62	218.61	222.93	
G 45.0	64.55	65.94	67.72	73.05	83.42	98.25	120.54	143.95	169.48	183.67	201.65	204.32	
G 50.0	56.44	57.53	59.23	63.81	73.27	86.65	107.61	129.21	152.24	163.67	180.37	181.36	
G 55.0	48.33	49.18	51.75	54.42	63.16	74.75	93.43	112.96	133.07	141.73	156.39	156.48	
G 60.0	40.18	40.06	43.33	45.63	53.01	63.11	79.36	96.29	113.47	118.48	131.29	130.14	
G 65.0	32.29	32.06	34.31	36.73	43.01	51.11	64.95	79.17	93.46	95.55	105.50	103.71	
G 70.0	24.56	23.98	26.55	27.87	33.33	39.71	50.90	62.78	73.60	73.22	80.28	77.80	
G 75.0	17.04	16.30	18.70	19.35	23.51	28.40	36.27	46.72	55.20	52.20	56.37	53.60	
G 80.0	10.06	10.52	11.53	11.61	14.85	18.16	25.10	33.02	38.58	33.23	34.74	32.81	
G 85.0	4.54	4.56	5.35	5.45	7.32	9.31	14.60	21.90	22.12	15.70	16.63	14.62	
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	