

LEDS C4[®]

Luminaire

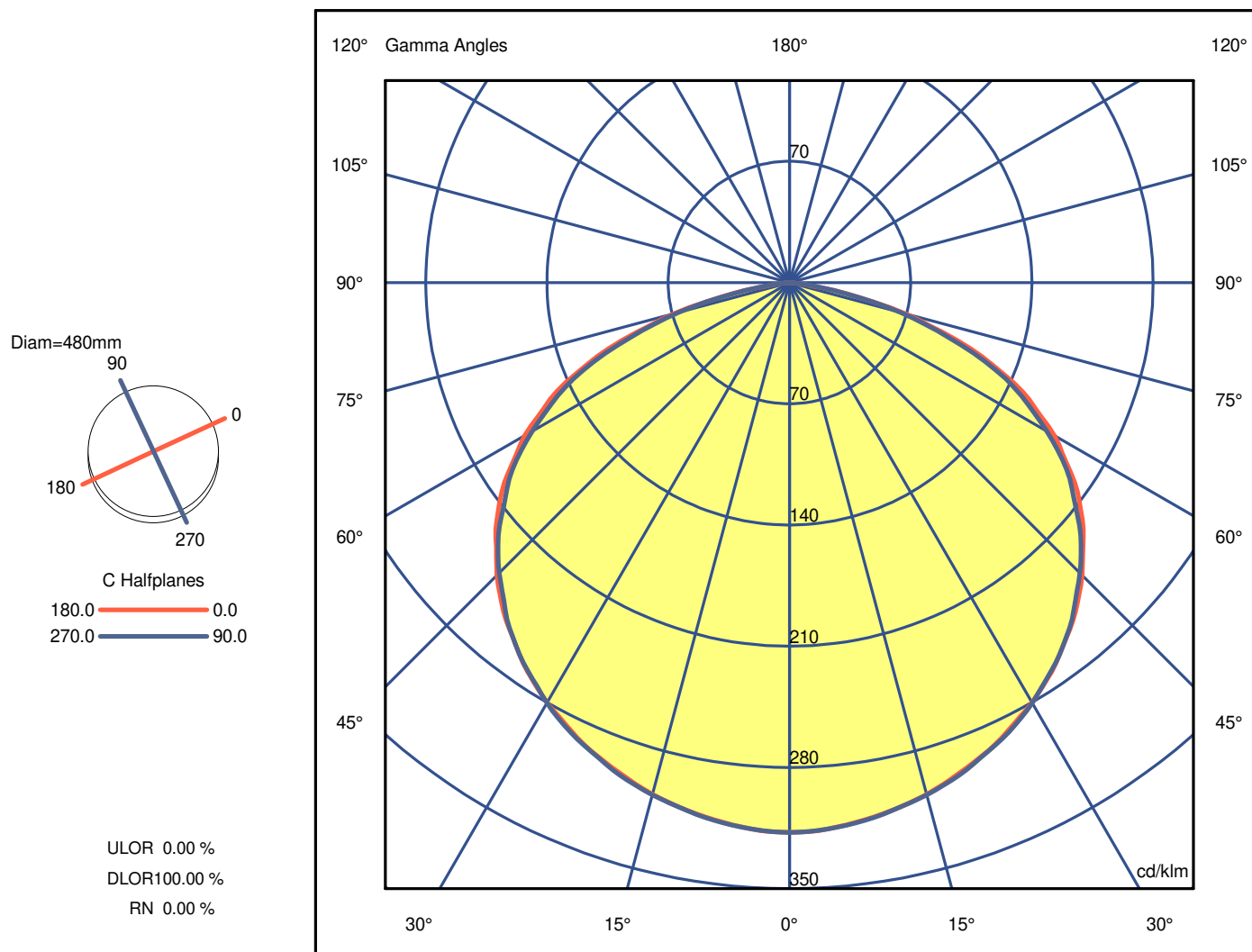
Code 00-7980-05-05
Name LIAR

Measurement

Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	480 mm	Height	70 mm		
Round Luminous Area		Diam.	200 mm	Height	0 mm		
Horizontal Luminous Area		0.031416 m ²		Emitting area on Plane 180°		0.000000 m ²	
Emitting area on Plane 0°		0.000000 m ²		Emitting area on Plane 270°		0.000000 m ²	
Emitting area on Plane 90°		0.000000 m ²		Glare area at 76°		0.007600 m ²	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		24-10-2019		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		791.14 lm	
Operator		Asselum T2		Rated Voltage			
Temperature		25.00 °C		Rated Current			
Humidity		60.00 %		Photocell			
Notes							

Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
	00-7980-05-05	Name 00-7980-DN-DN	791.14	18.00	1
C.I.E.	44 78 97 100 100	D DIN 5040	A30		
F UTE	1.00 E	B NBN	BZ 5 / 3 / BZ 4		



LEDS C4²

Luminaire

Code 00-7980-05-05

Name LIAR

Measurem.

Code 00-7980-05-05

Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	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	317.51	317.51	317.51	317.51	317.51	317.51	317.51
G 2.5	317.07	317.09	316.79	317.17	316.95	317.03	316.94
G 5.0	315.57	315.60	315.41	315.82	315.58	315.67	315.72
G 7.5	313.55	313.75	313.57	313.98	313.77	313.85	313.95
G 10.0	311.42	311.65	311.37	311.43	311.20	311.75	311.69
G 12.5	308.77	309.05	308.66	308.92	308.56	309.20	308.83
G 15.0	305.89	305.68	305.80	305.86	305.45	306.22	306.20
G 17.5	302.20	302.21	302.31	302.73	302.27	302.80	302.95
G 20.0	298.28	298.68	298.70	298.78	298.40	299.30	299.25
G 22.5	294.42	294.68	294.41	294.88	294.50	295.23	294.70
G 25.0	289.98	289.82	289.90	290.31	289.78	290.61	290.62
G 27.5	284.78	284.84	284.98	285.47	285.26	285.29	285.83
G 30.0	280.02	279.75	279.40	279.68	279.86	280.33	280.19
G 32.5	274.23	274.23	273.76	274.37	274.04	274.55	273.81
G 35.0	268.26	267.57	267.59	267.95	267.13	268.13	267.97
G 37.5	261.06	260.66	261.11	261.45	260.89	260.61	261.09
G 40.0	254.65	254.17	254.05	253.72	253.03	253.95	253.71
G 42.5	246.87	246.61	246.76	246.75	245.71	245.75	244.97
G 45.0	238.88	238.14	238.82	238.32	236.70	237.76	237.15
G 47.5	229.64	229.11	230.03	229.76	228.31	227.63	228.35
G 50.0	221.37	220.79	220.04	219.64	218.26	218.85	218.62
G 52.5	211.42	210.84	210.61	210.63	209.21	208.27	207.30
G 55.0	201.03	199.48	200.03	198.87	197.12	197.62	197.46
G 57.5	188.06	187.26	188.52	187.90	186.08	184.46	185.28
G 60.0	176.68	175.52	174.72	174.19	172.45	172.63	171.42
G 62.5	161.48	162.25	161.00	161.55	159.86	157.90	157.08
G 65.0	148.29	146.16	146.64	145.30	143.40	144.34	143.14
G 67.5	129.48	128.79	129.20	129.30	127.36	125.86	125.97
G 70.0	111.33	110.48	108.94	108.32	106.31	108.00	105.62
G 72.5	88.47	88.84	87.08	89.01	87.78	84.52	85.49
G 75.0	69.35	66.18	67.75	66.42	65.50	66.16	66.25
G 77.5	45.67	44.99	46.82	46.47	46.49	42.57	44.72
G 80.0	27.11	26.26	26.24	24.68	26.58	24.58	25.98
G 82.5	11.12	11.01	12.67	11.04	13.37	9.90	12.51
G 85.0	5.19	4.04	5.08	4.33	5.30	3.95	5.39
G 87.5	2.21	2.08	2.41	2.59	2.55	2.07	2.03
G 90.0	1.44	1.35	1.65	1.83	1.67	1.24	1.12

LEDS C4²

Luminaire

Code 00-7980-05-05
Name LIAR

Measurement

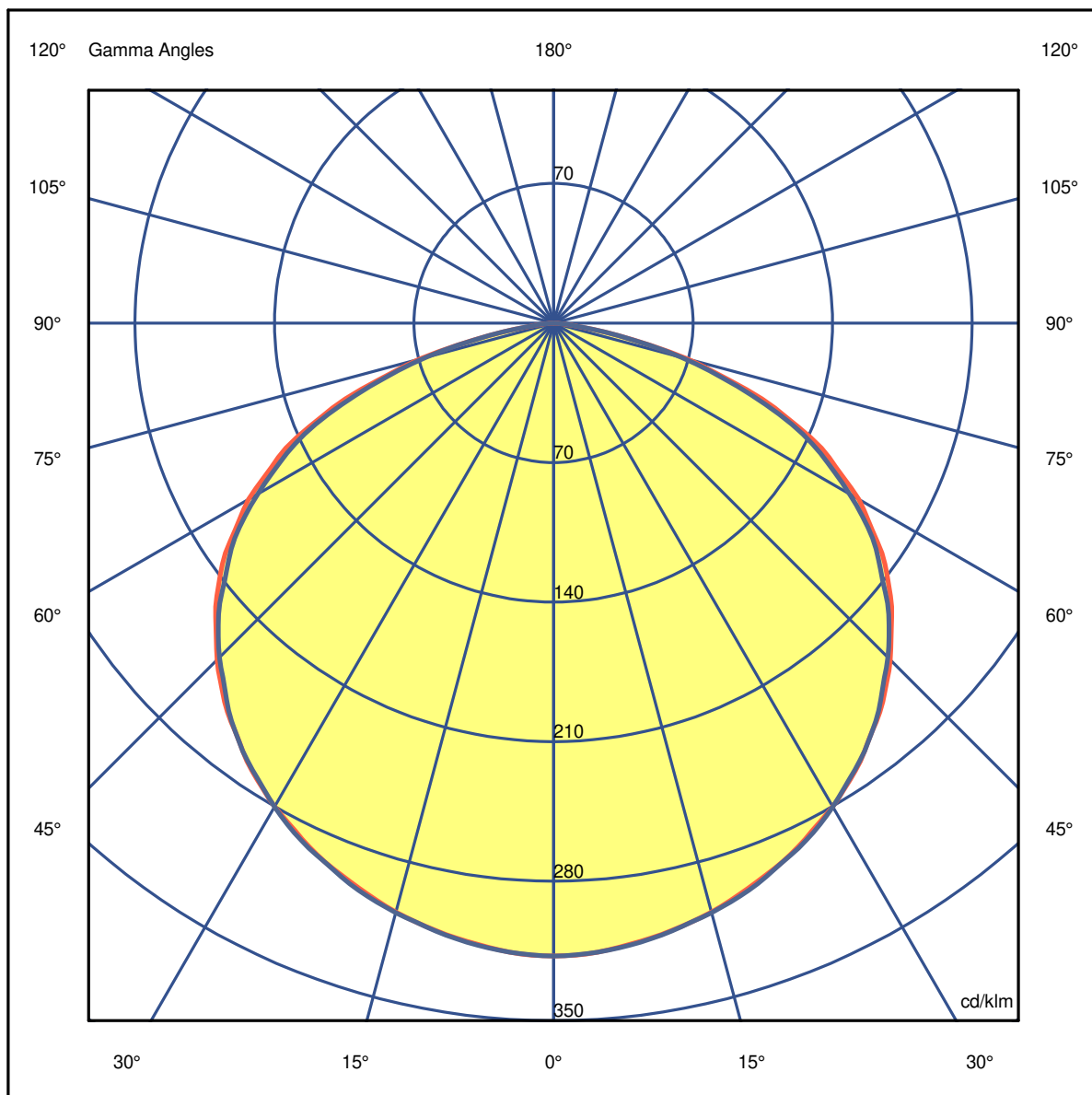
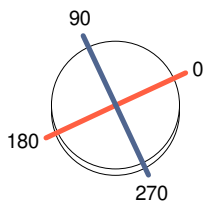
Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=480mm

C Halfplanes

180.0 ———— 0.0
270.0 ———— 90.0



LEDS C4[®]

Luminaire

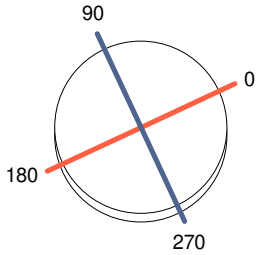
Code 00-7980-05-05
Name LIAR

Measurement

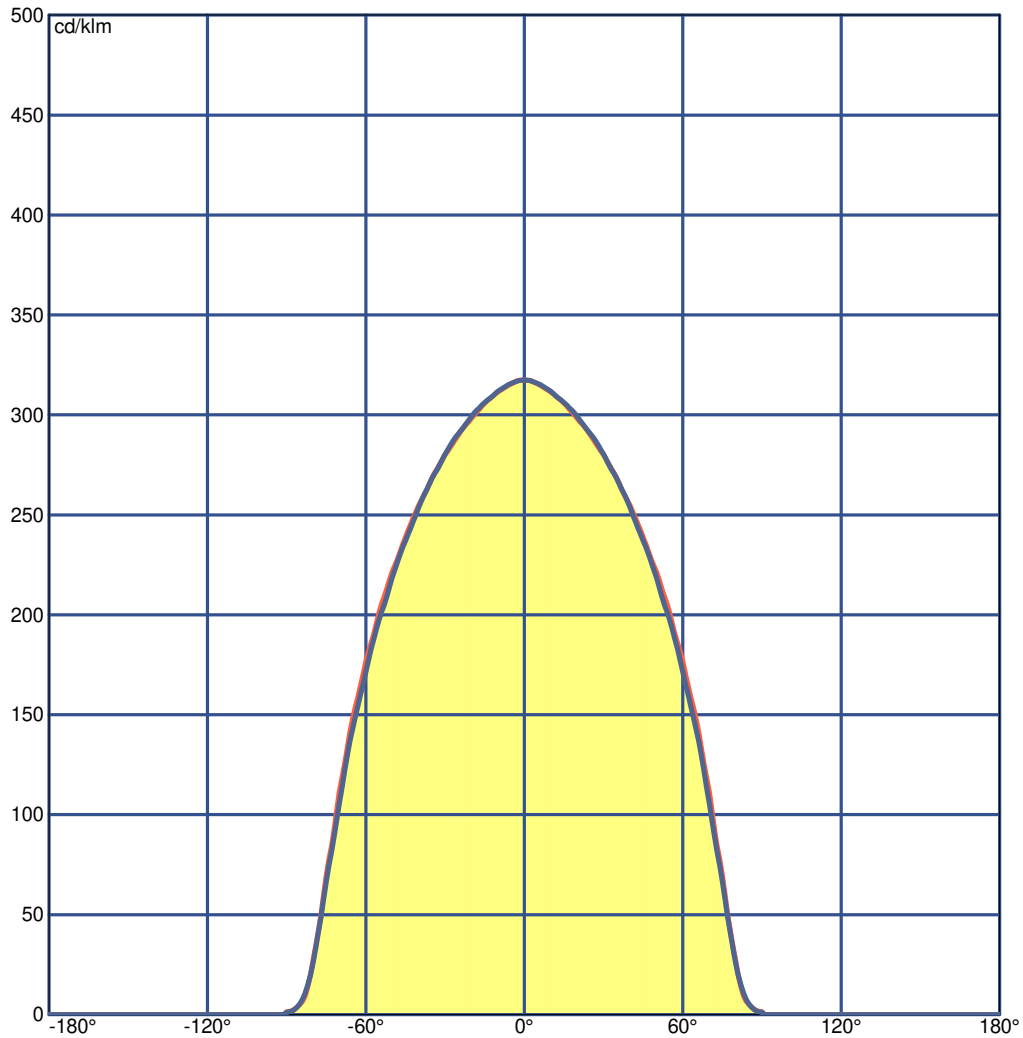
Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=480mm



C Halfplanes



LEDS C4²

Luminaire

Code 00-7980-05-05
Name LIAR

Measurement

Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	20.4	21.7	20.7	21.9	22.2	20.3	21.6	20.6	21.8	22.1
x=2H y=3H	22.1	23.4	22.5	23.6	23.9	22.0	23.3	22.3	23.5	23.8
x=2H y=4H	22.7	23.9	23.0	24.1	24.4	22.6	23.7	22.9	24.0	24.3
x=2H y=6H	22.9	24.0	23.3	24.3	24.6	22.8	23.8	23.1	24.1	24.5
x=2H y=8H	22.9	24.0	23.3	24.3	24.6	22.8	23.8	23.1	24.1	24.4
x=2H y=12H	22.9	23.9	23.3	24.2	24.5	22.7	23.7	23.1	24.1	24.4
x=4H y=2H	21.2	22.4	21.6	22.7	23.0	21.1	22.3	21.5	22.6	22.9
x=4H y=3H	23.1	24.1	23.5	24.4	24.8	23.0	24.0	23.4	24.3	24.6
x=4H y=4H	23.7	24.6	24.1	25.0	25.3	23.6	24.5	24.0	24.8	25.2
x=4H y=6H	24.0	24.8	24.5	25.2	25.6	23.9	24.6	24.3	25.0	25.4
x=4H y=8H	24.1	24.8	24.5	25.2	25.6	23.9	24.6	24.4	25.0	25.4
x=4H y=12H	24.0	24.7	24.5	25.1	25.5	23.9	24.5	24.3	24.9	25.4
x=8H y=4H	24.0	24.7	24.5	25.1	25.5	23.9	24.6	24.3	25.0	25.4
x=8H y=6H	24.4	24.9	24.8	25.4	25.8	24.2	24.8	24.7	25.2	25.7
x=8H y=8H	24.4	24.9	24.9	25.3	25.8	24.3	24.8	24.7	25.2	25.7
x=8H y=12H	24.4	24.8	24.9	25.3	25.8	24.3	24.7	24.7	25.1	25.7
x=12H y=4H	24.0	24.6	24.4	25.0	25.5	23.9	24.5	24.3	24.9	25.4
x=12H y=6H	24.4	24.8	24.8	25.3	25.8	24.2	24.7	24.7	25.2	25.6
x=12H y=8H	24.4	24.8	24.9	25.3	25.8	24.3	24.7	24.8	25.2	25.7

LEDS C4[®]

Luminaire

Code 00-7980-05-05
Name LIAR

Measurum.

Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=791.14 Luminaire Flux=791.14

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	0.28	0.37	0.45	0.52	0.58	0.67	0.73	0.78	0.83	0.86	0.93	0.97
RC	6	5	5	5	5	5	5	5	5	5	4	4

Zonal Flux per 1000 Lumen

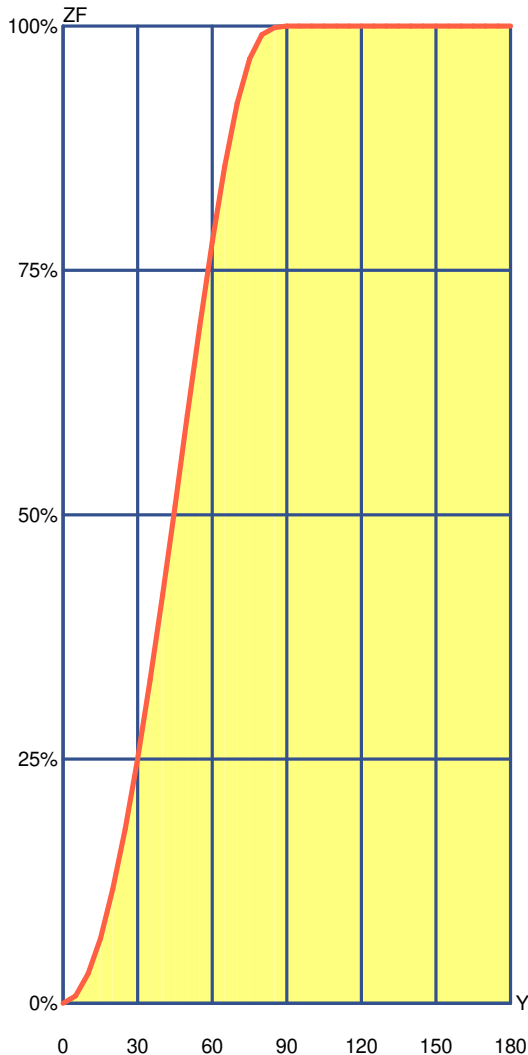
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	30	116	250	418	602	779	921	991	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

44 78 97 100 100

C.I.E. 6/5/5/5/5/5/5/5/4/4
D DIN 5040 A30
F UTE 1.00 E
B NBN BZ 5 / 3 / BZ 4
RN 0.00000 %
BLF 1.0

LOR 100.00000 %
ULOR 0.00000 %
DLOR 100.00000 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.57	7.57	0.76%	0.76 %
10°	22.43	30.00	2.24%	3.00 %
15°	36.62	66.61	3.66%	6.66 %
20°	49.82	116.44	4.98%	11.64 %
25°	61.77	178.20	6.18%	17.82 %
30°	72.13	250.33	7.21%	25.03 %
35°	80.66	330.99	8.07%	33.10 %
40°	87.02	418.01	8.70%	41.80 %
45°	91.09	509.10	9.11%	50.91 %
50°	92.46	601.56	9.25%	60.16 %
55°	91.06	692.62	9.11%	69.26 %
60°	86.21	778.84	8.62%	77.88 %
65°	77.73	856.56	7.77%	85.66 %
70°	64.49	921.06	6.45%	92.11 %
75°	45.68	966.74	4.57%	96.67 %
80°	24.50	991.23	2.45%	99.12 %
85°	7.29	998.53	0.73%	99.85 %
90°	1.47	1000.00	0.15%	100.00 %
95°	0.00	1000.00	0.00%	100.00 %
100°	0.00	1000.00	0.00%	100.00 %
105°	0.00	1000.00	0.00%	100.00 %
110°	0.00	1000.00	0.00%	100.00 %
115°	0.00	1000.00	0.00%	100.00 %
120°	0.00	1000.00	0.00%	100.00 %
125°	0.00	1000.00	0.00%	100.00 %
130°	0.00	1000.00	0.00%	100.00 %
135°	0.00	1000.00	0.00%	100.00 %
140°	0.00	1000.00	0.00%	100.00 %
145°	0.00	1000.00	0.00%	100.00 %
150°	0.00	1000.00	0.00%	100.00 %
155°	0.00	1000.00	0.00%	100.00 %
160°	0.00	1000.00	0.00%	100.00 %
165°	0.00	1000.00	0.00%	100.00 %
170°	0.00	1000.00	0.00%	100.00 %
175°	0.00	1000.00	0.00%	100.00 %
180°	0.00	1000.00	0.00%	100.00 %

LEDS C4²

Luminaire

Code 00-7980-05-05
Name LIAR

Measurem.

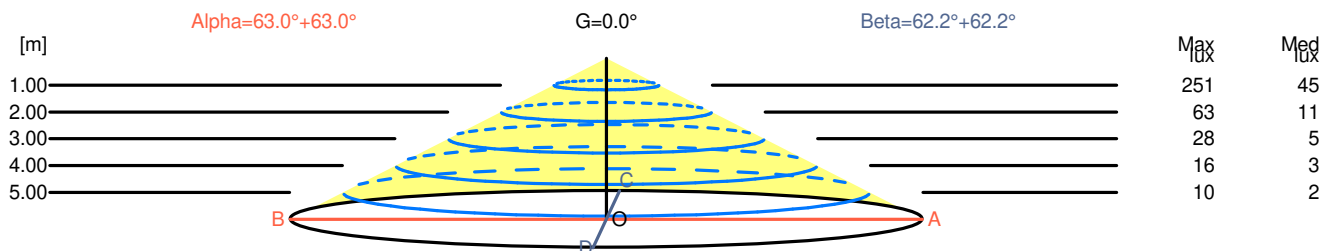
Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.96	3.93	5.89	7.86	9.82	OC	1.90	3.79	5.69	7.59	9.48
OB	1.96	3.93	5.89	7.86	9.82	OD	1.90	3.79	5.69	7.59	9.48

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	251.19	249.66	242.00	229.42	212.23	188.98	159.04	117.31	54.86	4.11
OB	251.19	249.66	242.00	229.42	212.23	188.98	159.04	117.31	54.86	4.11
OC	251.19	249.78	242.25	229.92	212.00	187.62	156.22	113.25	52.41	4.27
OD	251.19	249.78	242.25	229.92	212.00	187.62	156.22	113.25	52.41	4.27



H[m]	D[m]	Max lux	Med lux	Alpha=63.0°+63.0°	G=0.0
1.00	3.93	251	45		
2.00	7.86	63	11		
3.00	11.78	28	5		
4.00	15.71	16	3		
5.00	19.64	10	2		

H[m]	D[m]	Max lux	Med lux	Beta=62.2°+62.2°	G=0.0
1.00	3.79	251	45		
2.00	7.59	63	11		
3.00	11.38	28	5		
4.00	15.18	16	3		
5.00	18.97	10	2		

LEDS C4⁺

Luminaire

Code 00-7980-05-05

Name LIAR

Measur.

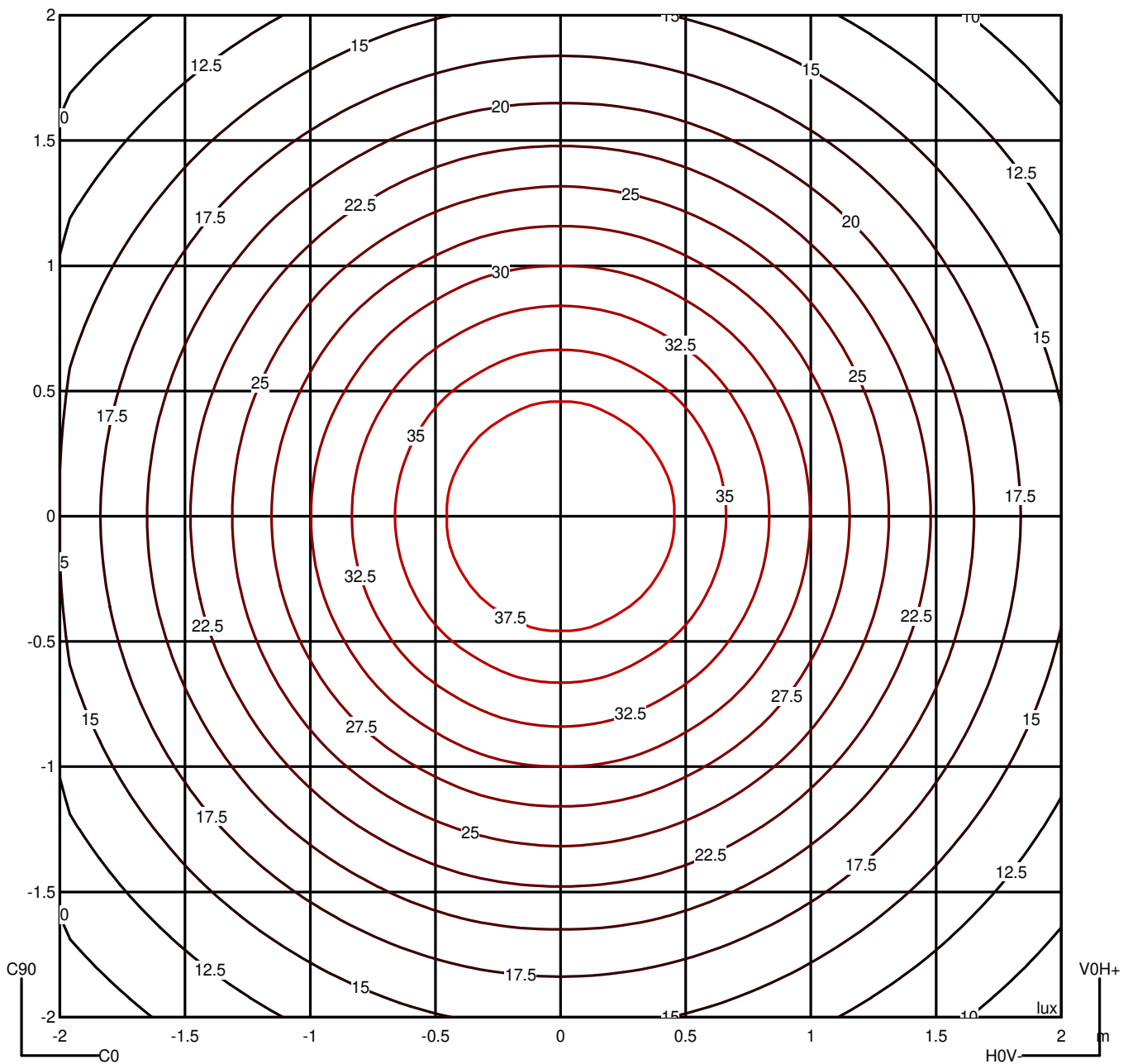
Code 00-7980-05-05

Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



LEDS C4²

Luminaire

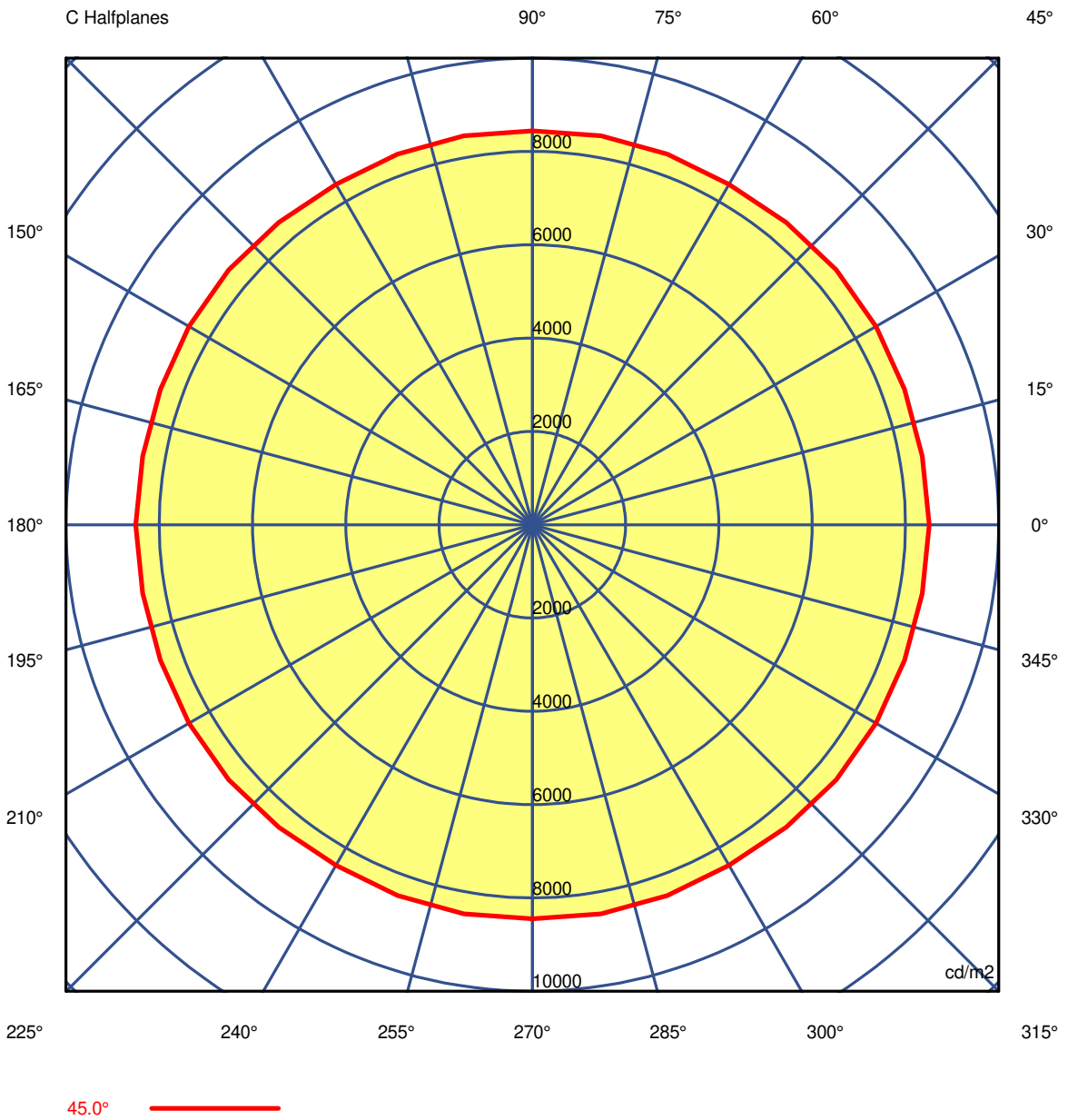
Code 00-7980-05-05
 Name LIAR

Measurem.

Code 00-7980-05-05
 Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



LEDS C4²

Luminaire

Code 00-7980-05-05
Name LIAR

Measurement

Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	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	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76
G 5.0	7977.38	7978.89	7976.41	7973.20	7980.83	7982.90	7977.54	7978.35	7980.26	7981.07	7980.26	7978.35	7977.54
G 10.0	7963.35	7968.91	7967.14	7962.04	7963.55	7961.25	7957.87	7967.07	7973.49	7970.37	7973.49	7967.07	7957.87
G 15.0	7974.79	7970.37	7969.50	7972.61	7975.62	7970.49	7963.39	7976.49	7986.34	7982.99	7986.34	7976.49	7963.39
G 20.0	7993.62	8001.87	8004.73	8004.82	8007.99	8003.60	7996.81	8012.59	8023.96	8019.64	8023.96	8012.59	7996.81
G 25.0	8057.50	8054.34	8052.05	8055.16	8065.59	8061.72	8051.96	8066.29	8074.95	8075.27	8074.95	8066.29	8051.96
G 30.0	8142.57	8137.97	8130.25	8124.57	8129.43	8134.30	8137.84	8147.68	8152.15	8147.43	8152.15	8147.68	8137.84
G 35.0	8246.93	8231.22	8222.71	8226.30	8237.86	8228.48	8212.27	8231.57	8246.47	8237.96	8246.47	8231.57	8212.27
G 40.0	8371.38	8359.63	8353.20	8351.49	8347.17	8330.37	8318.18	8338.08	8351.03	8340.53	8351.03	8338.08	8318.18
G 45.0	8507.30	8484.31	8486.66	8505.25	8502.41	8464.32	8429.94	8453.66	8468.93	8445.87	8468.93	8453.66	8429.94
G 50.0	8672.78	8659.02	8639.03	8620.79	8614.52	8585.63	8550.84	8563.67	8576.56	8564.81	8576.56	8563.67	8550.84
G 55.0	8826.07	8770.00	8762.46	8782.14	8758.32	8699.69	8654.54	8669.12	8679.58	8669.47	8679.58	8669.12	8654.54
G 60.0	8898.64	8858.97	8823.17	8799.90	8789.40	8742.99	8685.57	8690.47	8684.44	8633.90	8684.44	8690.47	8685.57
G 65.0	8835.96	8733.66	8711.61	8738.06	8700.54	8608.48	8544.66	8582.10	8594.05	8529.49	8594.05	8582.10	8544.66
G 70.0	8197.24	8163.85	8093.75	8020.99	8002.46	7916.83	7827.30	7915.78	7931.25	7776.47	7931.25	7915.78	7827.30
G 75.0	6747.54	6488.85	6470.54	6591.72	6528.61	6411.07	6372.96	6413.39	6440.00	6445.64	6440.00	6413.39	6372.96
G 80.0	3932.13	3826.59	3807.21	3805.42	3611.52	3661.98	3853.96	3664.28	3564.03	3767.65	3564.03	3664.28	3853.96
G 85.0	1500.02	1195.67	1259.52	1468.61	1300.83	1336.50	1530.25	1257.66	1177.37	1557.69	1177.37	1257.66	1530.25
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

LEDS C4⁺

Luminaire

Code 00-7980-05-05
Name LIAR

Measurement

Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	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	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76
G 5.0	7982.90	7980.83	7973.20	7976.41	7978.89	7977.38	7978.89	7976.41	7973.20	7980.83	7982.90	7977.54	7978.35
G 10.0	7961.25	7963.55	7962.04	7967.14	7968.91	7963.35	7968.91	7967.14	7962.04	7963.55	7961.25	7957.87	7967.07
G 15.0	7970.49	7975.62	7972.61	7969.50	7970.37	7974.79	7970.37	7969.50	7972.61	7975.62	7970.49	7963.39	7976.49
G 20.0	8003.60	8007.99	8004.82	8004.73	8001.87	7993.62	8001.87	8004.73	8004.82	8007.99	8003.60	7996.81	8012.59
G 25.0	8061.72	8065.59	8055.16	8052.05	8054.34	8057.50	8054.34	8052.05	8055.16	8065.59	8061.72	8051.96	8066.29
G 30.0	8134.30	8129.43	8124.57	8130.25	8137.97	8142.57	8137.97	8130.25	8124.57	8129.43	8134.30	8137.84	8147.68
G 35.0	8228.48	8237.86	8226.30	8222.71	8231.22	8246.93	8231.22	8222.71	8226.30	8237.86	8228.48	8212.27	8231.57
G 40.0	8330.37	8347.17	8351.49	8353.20	8359.63	8371.38	8359.63	8353.20	8351.49	8347.17	8330.37	8318.18	8338.08
G 45.0	8464.32	8502.41	8505.25	8486.66	8484.31	8507.30	8484.31	8486.66	8505.25	8502.41	8464.32	8429.94	8453.66
G 50.0	8585.63	8614.52	8620.79	8639.03	8659.02	8672.78	8659.02	8639.03	8620.79	8614.52	8585.63	8550.84	8563.67
G 55.0	8699.69	8758.32	8782.14	8762.46	8770.00	8826.07	8770.00	8762.46	8782.14	8758.32	8699.69	8654.54	8669.12
G 60.0	8742.99	8789.40	8799.90	8823.17	8858.97	8898.64	8858.97	8823.17	8799.90	8789.40	8742.99	8685.57	8690.47
G 65.0	8608.48	8700.54	8738.06	8711.61	8733.66	8835.96	8733.66	8711.61	8738.06	8700.54	8608.48	8544.66	8582.10
G 70.0	7916.83	8002.46	8020.99	8093.75	8163.85	8197.24	8163.85	8093.75	8020.99	8002.46	7916.83	7827.30	7915.78
G 75.0	6411.07	6528.61	6591.72	6470.54	6488.85	6747.54	6488.85	6470.54	6591.72	6528.61	6411.07	6372.96	6413.39
G 80.0	3661.98	3611.52	3805.42	3807.21	3826.59	3932.13	3826.59	3807.21	3805.42	3611.52	3661.98	3853.96	3664.28
G 85.0	1336.50	1300.83	1468.61	1259.52	1195.67	1500.02	1195.67	1259.52	1468.61	1300.83	1336.50	1530.25	1257.66
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

LEDS C4[®]

Luminaire

Code 00-7980-05-05
Name LIAR

Measur.

Code 00-7980-05-05
Name LIAR

Luminaire Flux	791.14 lm	Luminaire Power	18.00 W	Efficacy	43.95 lm/W	Efficiency	100.00%
Sources Flux	791.14 lm	Maximum value	317.51 cd/klm	Position	C=0.00 G=0.00	CG	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	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76	7995.76
G 5.0	7980.26	7981.07	7980.26	7978.35	7977.54	7982.90	7980.83	7973.20	7976.41	7978.89
G 10.0	7973.49	7970.37	7973.49	7967.07	7957.87	7961.25	7963.55	7962.04	7967.14	7968.91
G 15.0	7986.34	7982.99	7986.34	7976.49	7963.39	7970.49	7975.62	7972.61	7969.50	7970.37
G 20.0	8023.96	8019.64	8023.96	8012.59	7996.81	8003.60	8007.99	8004.82	8004.73	8001.87
G 25.0	8074.95	8075.27	8074.95	8066.29	8051.96	8061.72	8065.59	8055.16	8052.05	8054.34
G 30.0	8152.15	8147.43	8152.15	8147.68	8137.84	8134.30	8129.43	8124.57	8130.25	8137.97
G 35.0	8246.47	8237.96	8246.47	8231.57	8212.27	8228.48	8237.86	8226.30	8222.71	8231.22
G 40.0	8351.03	8340.53	8351.03	8338.08	8318.18	8330.37	8347.17	8351.49	8353.20	8359.63
G 45.0	8468.93	8445.87	8468.93	8453.66	8429.94	8464.32	8502.41	8505.25	8486.66	8484.31
G 50.0	8576.56	8564.81	8576.56	8563.67	8550.84	8585.63	8614.52	8620.79	8639.03	8659.02
G 55.0	8679.58	8669.47	8679.58	8669.12	8654.54	8699.69	8758.32	8782.14	8762.46	8770.00
G 60.0	8684.44	8633.90	8684.44	8690.47	8685.57	8742.99	8789.40	8799.90	8823.17	8858.97
G 65.0	8594.05	8529.49	8594.05	8582.10	8544.66	8608.48	8700.54	8738.06	8711.61	8733.66
G 70.0	7931.25	7776.47	7931.25	7915.78	7827.30	7916.83	8002.46	8020.99	8093.75	8163.85
G 75.0	6440.00	6445.64	6440.00	6413.39	6372.96	6411.07	6528.61	6591.72	6470.54	6488.85
G 80.0	3564.03	3767.65	3564.03	3664.28	3853.96	3661.98	3611.52	3805.42	3807.21	3826.59
G 85.0	1177.37	1557.69	1177.37	1257.66	1530.25	1336.50	1300.83	1468.61	1259.52	1195.67
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00