LEDS C4

Installation Instructions
3D File
Photometry
Dialux | ULD
Revit

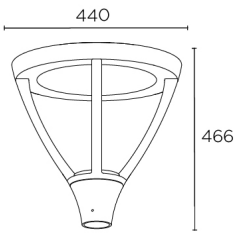
Proud Symmetrical Head

Leds C4 Team

60-9913-Z5-CL

PROUD head with 3000k 40W LED for symmetrical lighting







TECHNICAL FEATURES

IP66 IK10

Power (W) : 40W

Total power consumption of light (W) : 44.9W

Real lumens : 3110

Real lm/W : 69

Correlated Colour Temperature (CCT) : LED warm-white 3000K

Lens / reflector angle : HORIZONTAL 131º

Structure material : Aluminium

Structure finish : Urban grey

Diffuser material : Polycarbonate

Diffuser finish : Semitransparent

Equipment included : Yes, electronic

Voltage / frequency : 100-240V/50-60Hz

Warranty : 5 Years

Useful life : 50.000h L80B20

Max. temperature : 50ºC

Seaside : No

Energy efficiency : LED A++

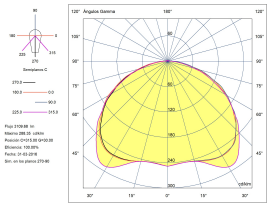
LUMINOTECHNIC FEATURES

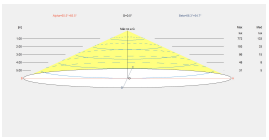
Light source: LED EDISON

CRI: 80

MacAdam steps: 3

Photobiological risk: RG0





LOGISTICS

Net weight (kg): 5.94

Packaged weight (kg): 7.45

Packaging: 480mm x 480mm x 530mm

1 Un

LIGHT APPLICATION



81-E000-Z5-Z5

Conical column of 3.5mm in Z5 finish

Structure material: Steel
Dimensions: 300 x 3500 x 300

71-E213-48-48

Floor mounting bolts

Structure material: Steel
Dimensions: 300 x 400 x 300

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

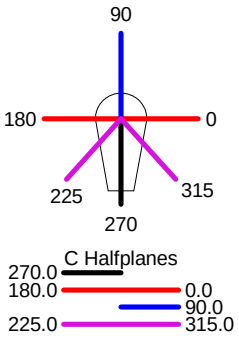
Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

Round Luminaire	Diam. 435 mm	Height	460 mm
Round Luminous Area	Diam. 310 mm	Height	20 mm
Horizontal Luminous Area	0.075477 m2	Emitting area on Plane 180°	0.006200 m2
Emitting area on Plane 0°	0.006200 m2	Emitting area on Plane 270°	0.006200 m2
Emitting area on Plane 90°	0.006200 m2	Glare area at 76°	0.024275 m2
Coordinate system	CG Roads	Symmetry Type	Sym. on planes 270-90
Date	31-03-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	3109.68 lm
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

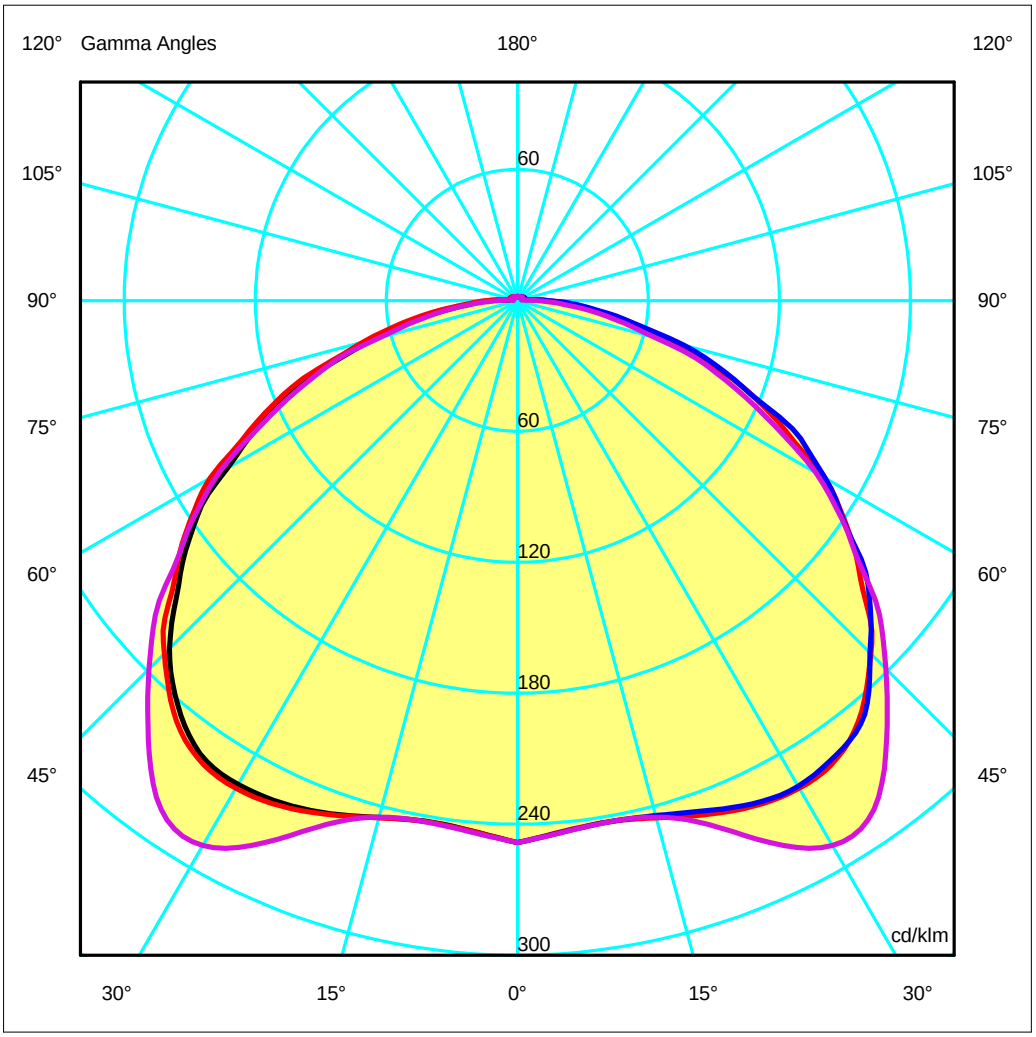
Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	60-9913-Z5-CL	60-9913-Z5-CL	3109.68	45.00	1

C.I.E. 42 75 94 98 100 D DIN 5040 A31



ULOR 2.05 %
DLOR 97.95 %
RN 2.05 %



Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

Luminous Intensity Table cd/klm **Table 1/2**

	C 270.00	C 285.00	C 300.00	C 310.00	C 315.00	C 320.00	C 325.00	C 330.00	C 335.00	C 340.00
G 0.0	248.31	248.31	248.31	248.31	248.31	248.31	248.31	248.31	248.31	248.31
G 10.0	242.25	244.40	242.43	244.15	242.55	244.10	242.48	243.95	242.45	243.63
G 20.0	250.21	247.71	254.01	249.67	255.42	250.62	255.90	250.84	255.53	249.77
G 30.0	255.96	260.37	277.34	284.60	288.35	284.77	282.79	274.32	271.03	264.25
G 35.0	253.42	261.62	279.16	286.80	284.57	286.81	281.98	280.10	272.31	267.05
G 40.0	241.99	257.23	261.31	271.03	262.92	269.97	261.34	270.61	257.60	261.11
G 45.0	225.34	242.09	239.55	249.07	238.56	247.87	239.03	244.47	237.84	243.38
G 47.5	214.04	229.78	228.62	234.15	226.82	234.51	225.75	233.94	224.86	233.28
G 50.0	202.53	220.06	214.22	224.35	214.09	223.69	213.39	223.36	210.98	220.94
G 52.5	192.62	209.50	199.34	212.00	197.00	211.54	198.67	211.42	199.10	209.80
G 55.0	181.22	198.68	186.70	199.84	184.44	199.25	185.91	199.09	186.20	196.19
G 57.5	169.82	184.40	173.49	184.77	171.31	182.97	172.76	182.20	170.64	183.67
G 60.0	153.23	169.85	158.87	168.98	157.75	168.29	156.73	168.53	158.26	171.36
G 62.5	140.17	156.84	142.98	155.55	140.97	155.38	141.03	154.93	141.41	155.66
G 65.0	127.54	143.83	128.01	141.87	125.06	141.09	127.08	141.15	128.02	142.37
G 67.5	113.28	128.31	113.87	128.42	110.64	127.14	112.93	125.98	114.22	125.91
G 70.0	99.23	111.67	100.54	108.69	96.70	108.18	96.54	108.40	97.57	112.30
G 72.5	81.63	98.06	84.09	95.12	83.15	94.60	83.38	94.62	82.34	95.53
G 75.0	68.98	84.56	68.17	81.72	64.78	81.07	67.42	81.31	68.46	82.12
G 77.5	56.50	71.27	56.19	68.19	52.19	67.90	55.31	68.16	56.38	67.26
G 80.0	45.15	55.35	44.89	53.49	41.26	52.25	44.58	52.76	43.07	54.21
G 82.5	31.83	43.49	33.49	40.58	31.56	40.40	33.09	41.09	33.40	42.53
G 85.0	23.67	34.15	25.24	31.63	22.04	31.43	24.52	31.92	24.21	32.46
G 87.5	17.11	25.96	17.68	23.69	14.53	23.38	17.38	24.07	18.25	24.76
G 90.0	11.55	18.59	11.91	17.27	8.84	17.13	11.60	17.52	12.52	17.47
G 92.5	6.19	10.88	6.82	9.07	4.23	9.18	6.32	9.98	6.84	11.86
G 95.0	3.28	6.39	4.19	5.31	2.02	5.37	4.16	5.99	4.13	6.43
G 97.5	3.31	4.19	3.72	3.53	1.80	3.61	3.74	4.10	3.92	4.26
G100.0	3.54	3.84	3.63	3.39	1.91	3.45	3.65	3.84	3.82	3.98
G102.5	3.62	3.66	3.52	3.35	2.03	3.39	3.56	3.70	3.70	3.85
G105.0	3.54	3.50	3.40	3.29	2.14	3.33	3.43	3.60	3.57	3.71
G120.0	2.82	2.49	2.92	2.99	2.61	2.92	2.94	3.02	2.87	2.82
G135.0	2.47	2.39	2.34	2.62	2.49	2.65	2.49	2.62	2.43	2.45
G150.0	1.60	1.63	1.61	1.62	1.60	1.64	1.60	1.65	1.60	1.64
G165.0	1.78	1.78	1.77	1.77	1.77	1.77	1.78	1.78	1.78	1.78
G180.0	1.90	1.90	1.90	1.89	1.89	1.90	1.90	1.91	1.92	1.91

	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00
G 0.0	248.31	248.31	248.31	248.31	248.31	248.31	248.31	248.31	248.31	248.31
G 10.0	241.71	243.63	241.38	242.48	242.79	241.21	242.92	241.48	243.06	241.66
G 20.0	254.11	249.52	251.98	250.70	248.96	252.86	249.08	254.11	248.93	254.58
G 30.0	262.02	259.52	258.02	258.07	258.26	259.78	261.38	265.95	268.06	277.07
G 35.0	260.79	258.62	254.69	255.64	256.83	257.67	262.32	267.00	273.57	279.36
G 40.0	248.66	251.49	242.76	245.30	251.10	246.25	256.32	255.24	266.71	262.26
G 45.0	230.07	235.65	224.23	228.74	233.93	227.65	240.64	235.71	247.16	238.67
G 47.5	220.15	226.78	215.05	219.69	223.23	218.15	231.73	225.87	235.21	227.34
G 50.0	210.16	213.50	202.84	206.38	214.12	208.35	218.41	212.73	224.34	214.03
G 52.5	196.54	203.21	192.80	196.11	204.07	195.37	207.71	198.58	212.54	200.29
G 55.0	182.51	192.59	178.88	185.45	191.30	181.89	196.37	186.96	200.57	185.74
G 57.5	170.42	181.08	167.39	174.23	179.68	169.83	184.93	174.28	182.94	172.66
G 60.0	157.88	165.50	154.20	162.50	165.78	157.65	171.13	158.19	169.86	159.55
G 62.5	143.05	151.79	140.05	145.01	153.76	143.52	155.31	145.20	156.34	143.00
G 65.0	126.31	139.22	124.36	131.90	140.33	128.30	141.68	128.93	142.99	126.73
G 67.5	112.71	126.07	111.22	118.41	125.49	113.36	128.20	115.06	128.12	112.93
G 70.0	98.97	113.07	97.88	104.47	109.63	100.00	115.00	101.48	110.28	99.30
G 72.5	85.33	94.17	81.51	85.98	96.28	86.68	95.43	85.33	96.60	85.70
G 75.0	69.99	81.18	68.50	72.85	82.78	70.93	82.61	69.05	82.98	69.91
G 77.5	55.73	68.28	54.75	60.27	67.81	56.54	69.09	57.16	69.65	55.65
G 80.0	44.51	56.03	44.07	48.99	53.61	45.89	57.22	45.93	53.42	44.58
G 82.5	35.07	41.68	34.24	37.22	42.77	35.99	46.02	34.22	42.38	34.80
G 85.0	25.26	32.54	24.84	26.37	33.58	26.17	33.11	25.81	33.00	25.21
G 87.5	18.08	24.78	17.11	19.53	25.44	19.55	25.21	18.65	25.38	17.85
G 90.0	12.28	18.35	11.54	13.93	17.97	12.88	18.72	13.02	18.97	12.09
G 92.5	7.34	12.83	6.39	8.94	10.85	7.53	13.12	7.74	11.09	7.21
G 95.0	4.60	6.00	3.24	4.20	6.02	4.33	6.49	4.58	6.66	4.62
G 97.5	3.91	3.69	2.89	3.38	3.26	3.38	4.28	3.98	4.37	3.85
G100.0	3.73	3.33	2.89	3.58	2.85	3.10	3.91	3.86	3.92	3.71
G102.5	3.56	3.11	2.95	3.71	2.86	2.92	3.75	3.72	3.77	3.60
G105.0	3.38	2.89	3.02	3.66	2.92	2.78	3.56	3.56	3.65	3.49
G120.0	2.58	2.82	3.01	3.06	3.06	2.91	2.59	2.75	3.03	2.99
G135.0	2.40	2.58	2.61	2.65	2.66	2.54	2.51	2.38	2.53	2.49
G150.0	1.60	1.68	1.65	1.65	1.69	1.63	1.65	1.62	1.66	1.63
G165.0	1.77	1.77	1.78	1.78	1.74	1.79	1.74	1.78	1.75	1.79
G180.0	1.91	1.92	1.93	1.93	1.93	1.92	1.91	1.91	1.92	1.91

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

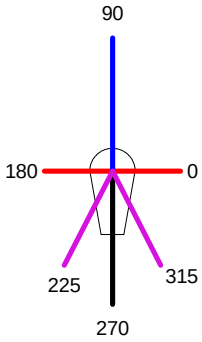
Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

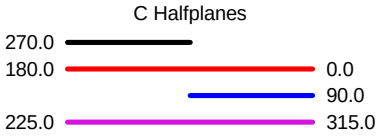
Luminous Intensity Table cd/klm **Table 2/2**

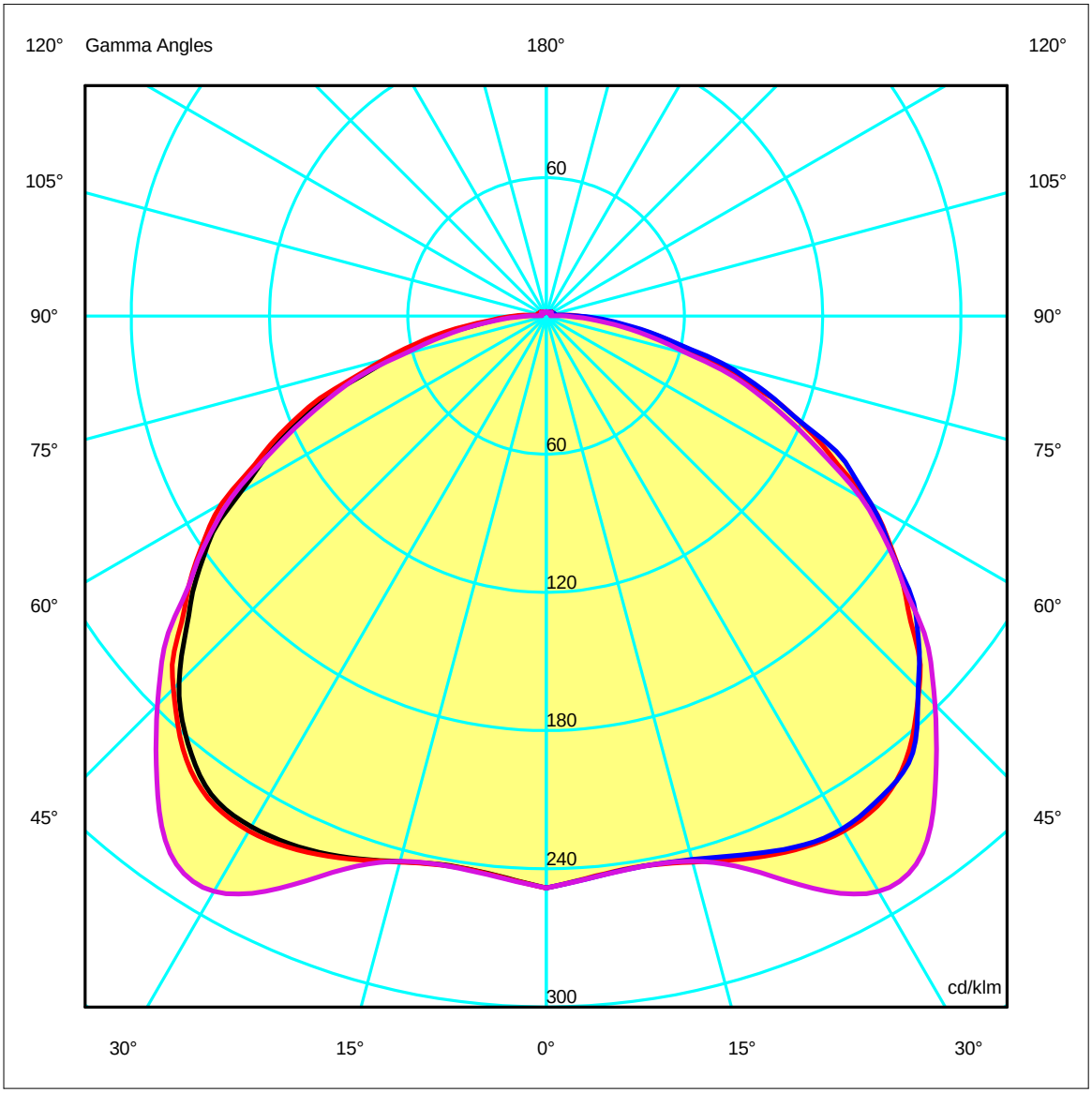
	C 35.00	C 40.00	C 45.00	C 50.00	C 60.00	C 75.00	C 90.00
G 0.0	248.31	248.31	248.31	248.31	248.31	248.31	248.31
G 10.0	243.01	241.82	243.15	241.88	243.15	242.00	242.51
G 20.0	249.41	254.79	249.34	255.07	250.08	253.05	248.90
G 30.0	280.12	286.30	285.22	286.08	273.18	261.29	257.00
G 35.0	284.15	284.61	286.88	284.38	279.17	259.57	254.23
G 40.0	273.37	264.04	270.56	262.49	269.66	247.88	247.41
G 45.0	247.50	239.86	247.71	240.19	243.34	229.42	228.31
G 47.5	234.75	227.70	234.89	223.86	233.57	217.49	219.67
G 50.0	224.39	213.90	223.64	212.41	222.68	207.03	210.20
G 52.5	212.35	198.88	211.73	199.78	210.65	195.64	199.90
G 55.0	199.77	186.47	199.03	187.41	198.06	183.16	184.83
G 57.5	181.84	173.23	180.81	172.04	180.01	167.41	173.78
G 60.0	169.53	157.46	168.02	155.58	167.23	154.63	162.62
G 62.5	155.65	143.06	154.71	141.62	154.39	141.41	150.43
G 65.0	142.32	127.24	140.76	128.12	140.54	128.05	138.89
G 67.5	129.13	113.84	127.10	114.43	127.54	110.84	119.02
G 70.0	109.65	100.18	108.08	94.66	107.82	95.41	105.52
G 72.5	95.65	83.84	93.53	81.87	94.40	81.98	92.26
G 75.0	82.48	67.55	80.01	68.17	80.77	68.89	78.93
G 77.5	69.13	55.69	67.19	56.32	67.63	56.59	61.27
G 80.0	53.03	44.31	50.05	44.71	51.16	41.50	50.01
G 82.5	41.86	32.92	39.26	31.66	40.62	32.34	39.36
G 85.0	32.34	24.98	29.88	23.94	31.37	24.62	30.02
G 87.5	24.57	17.27	21.98	17.46	23.66	18.14	22.62
G 90.0	18.34	11.77	15.74	11.89	17.63	11.36	13.98
G 92.5	10.51	6.88	7.86	5.45	9.76	6.11	8.61
G 95.0	6.16	3.81	3.76	3.61	5.74	4.04	4.68
G 97.5	4.06	3.43	1.88	3.36	3.93	3.77	3.16
G100.0	3.72	3.37	1.74	3.30	3.68	3.62	3.38
G102.5	3.61	3.31	1.88	3.25	3.54	3.41	3.56
G105.0	3.48	3.24	2.00	3.18	3.42	3.26	3.56
G120.0	3.01	2.89	2.52	2.93	2.95	2.44	2.83
G135.0	2.67	2.55	2.67	2.51	2.54	2.29	2.51
G150.0	1.66	1.62	1.66	1.60	1.62	1.61	1.62
G165.0	1.75	1.79	1.76	1.79	1.77	1.80	1.77
G180.0	1.90	1.90	1.89	1.89	1.90	1.90	1.90

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90







Luminaire
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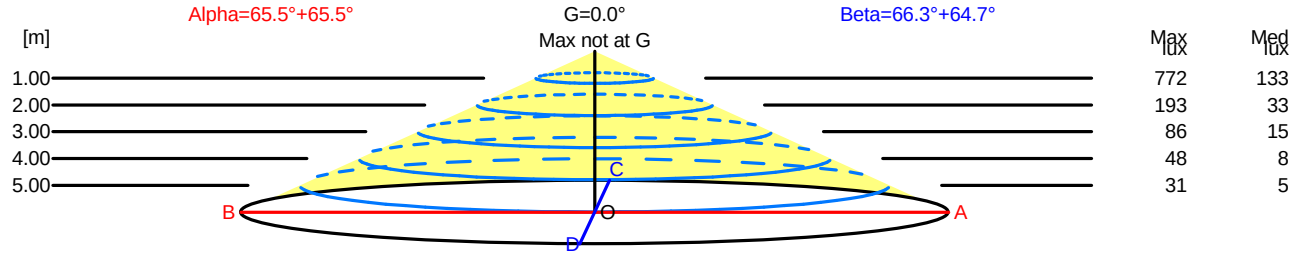
Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

Width at 50.00 % of Max Intensity

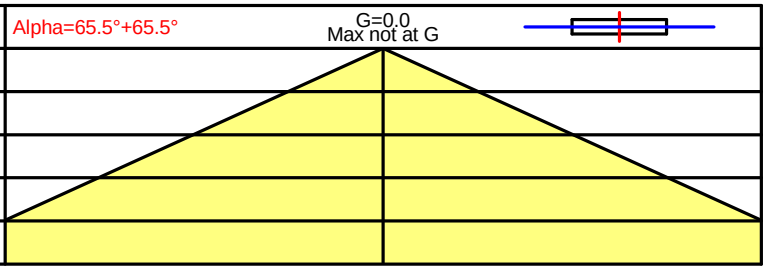
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.20	4.40	6.59	8.79	10.99	OC	2.27	4.55	6.82	9.10	11.37
OB	2.20	4.40	6.59	8.79	10.99	OD	2.12	4.23	6.35	8.47	10.59

Luminous Intensities [cd/klm]

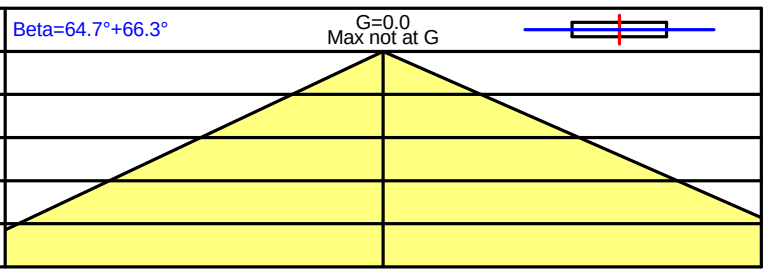
	0	5	15	25	35	45	55	65	75	85
OA	772.17	758.91	763.05	794.99	794.96	711.32	576.70	410.15	226.55	82.02
OB	772.17	758.91	763.05	794.99	794.96	711.32	576.70	410.15	226.55	82.02
OC	772.17	759.88	759.65	791.30	790.59	709.97	574.78	431.92	245.44	93.34
OD	772.17	758.36	762.50	790.44	788.06	700.72	563.55	396.62	214.51	73.62



H[m]	D[m]	Max lux	Med lux
1.00	4.40	772	133
2.00	8.79	193	33
3.00	13.19	86	15
4.00	17.59	48	8
5.00	21.98	31	5



H[m]	D[m]	Max lux	Med lux
1.00	4.39	772	133
2.00	8.78	193	33
3.00	13.17	86	15
4.00	17.56	48	8
5.00	21.96	31	5



Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

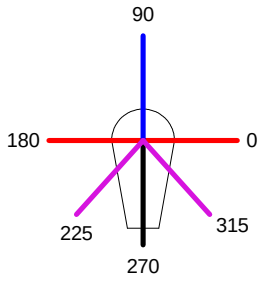
Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

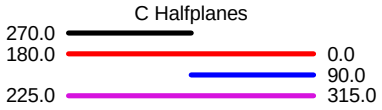
UGR
S = 0.250

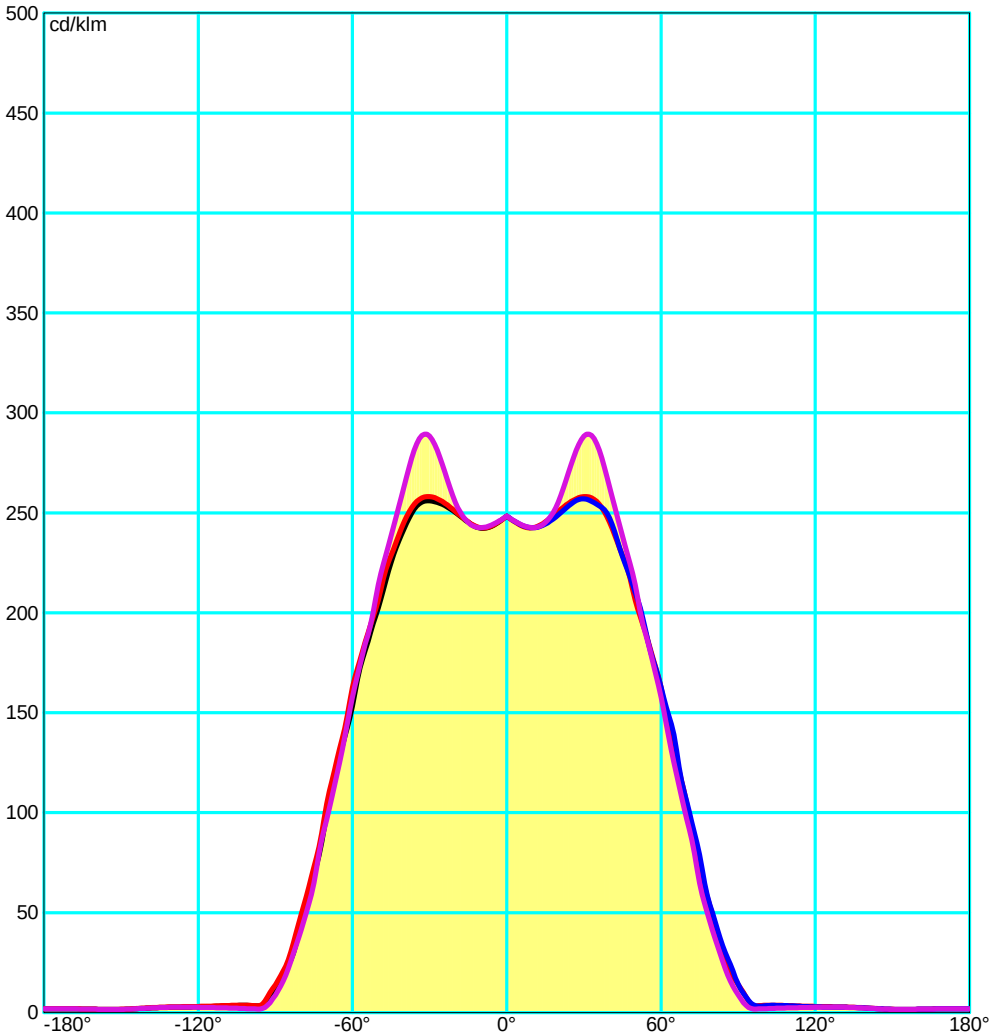
Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	21.2	22.6	21.6	22.9	23.2	21.3	22.7	21.6	22.9	23.2
x=2H y=3H	22.9	24.1	23.2	24.4	24.7	23.0	24.3	23.4	24.6	24.9
x=2H y=4H	23.5	24.7	23.9	25.0	25.4	23.7	24.9	24.1	25.2	25.6
x=2H y=6H	24.0	25.1	24.4	25.5	25.8	24.2	25.3	24.6	25.7	26.1
x=2H y=8H	24.2	25.2	24.6	25.6	26.0	24.4	25.5	24.8	25.8	26.2
x=2H y=12H	24.3	25.3	24.7	25.7	26.1	24.5	25.5	24.9	25.9	26.3
x=4H y=2H	22.0	23.2	22.4	23.5	23.8	22.0	23.2	22.4	23.5	23.9
x=4H y=3H	23.8	24.8	24.2	25.2	25.6	23.9	24.9	24.3	25.3	25.6
x=4H y=4H	24.6	25.5	25.0	25.9	26.3	24.7	25.6	25.1	26.0	26.4
x=4H y=6H	25.2	26.0	25.7	26.4	26.9	25.4	26.2	25.8	26.6	27.0
x=4H y=8H	25.4	26.2	25.9	26.6	27.1	25.6	26.4	26.1	26.8	27.2
x=4H y=12H	25.7	26.3	26.1	26.8	27.2	25.8	26.5	26.3	26.9	27.4
x=8H y=4H	24.9	25.6	25.4	26.1	26.5	25.0	25.7	25.5	26.1	26.6
x=8H y=6H	25.7	26.3	26.2	26.7	27.3	25.8	26.4	26.3	26.9	27.4
x=8H y=8H	26.0	26.5	26.5	27.0	27.6	26.1	26.7	26.7	27.2	27.7
x=8H y=12H	26.3	26.8	26.8	27.3	27.8	26.5	26.9	27.0	27.4	28.0
x=12H y=4H	25.0	25.6	25.4	26.1	26.5	25.0	25.7	25.5	26.1	26.6
x=12H y=6H	25.8	26.3	26.3	26.8	27.3	25.9	26.4	26.4	26.9	27.4
x=12H y=8H	26.1	26.6	26.7	27.1	27.6	26.2	26.7	26.8	27.2	27.7

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90



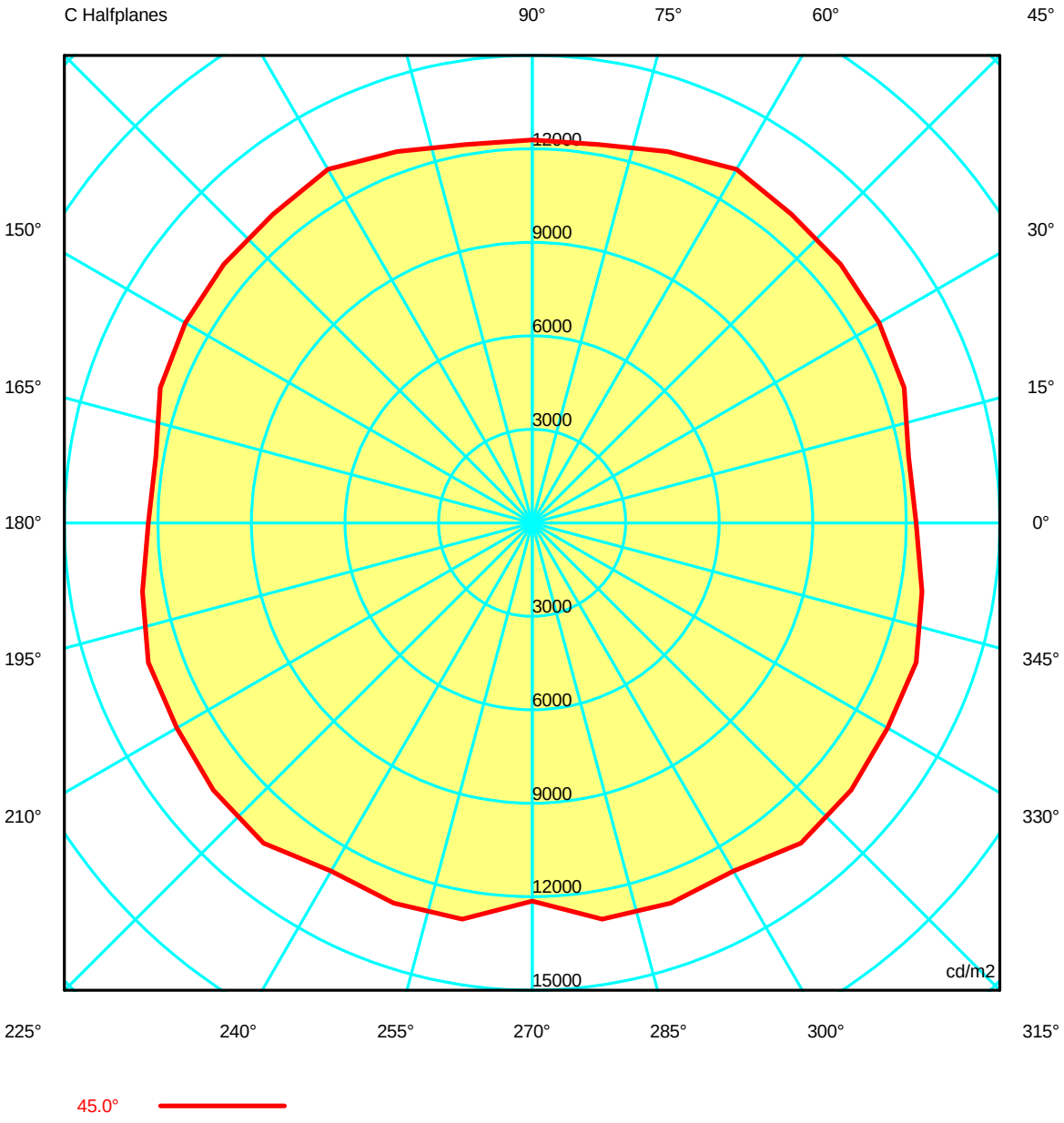




Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

Luminance



Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

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	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52
G 5.0	10021.22	9970.56	9976.31	9993.01	10013.68	10012.39	10060.92	10016.77	9987.54	10034.04	9987.54	10016.77	10060.92
G 10.0	9999.73	9947.20	9958.25	9965.64	9972.47	9974.70	10027.21	9995.67	9971.91	10000.75	9971.91	9995.67	10027.21
G 15.0	10240.95	10260.43	10280.22	10252.31	10209.39	10221.00	10193.11	10250.30	10278.91	10195.28	10278.91	10250.30	10193.11
G 20.0	10672.88	10764.48	10817.94	10838.00	10846.93	10858.68	10646.45	10730.69	10776.63	10596.08	10776.63	10730.69	10646.45
G 25.0	11192.94	11285.07	11421.49	11663.50	11919.28	11912.36	11439.79	11356.31	11256.74	11141.09	11256.74	11356.31	11439.79
G 30.0	11721.66	11799.31	12079.53	12584.58	13003.54	12993.91	12407.95	11969.24	11792.33	11673.11	11792.33	11969.24	12407.95
G 35.0	12158.52	12255.01	12698.91	13286.70	13536.32	13525.13	13277.51	12650.49	12172.06	12091.56	12172.06	12650.49	13277.51
G 40.0	12342.13	12389.98	12842.67	13195.71	13285.29	13207.29	13567.95	12939.09	12464.32	12448.40	12464.32	12939.09	13567.95
G 45.0	12316.26	12257.22	12691.18	12850.81	12914.76	12932.70	13102.06	12682.32	12332.93	12292.86	12332.93	12682.32	13102.06
G 50.0	12048.49	12163.79	12419.33	12495.12	12487.86	12400.90	13000.02	12390.98	11931.16	12271.91	11931.16	12390.98	13000.02
G 55.0	11922.59	11693.25	12019.42	11941.03	11988.03	12048.11	12732.72	12094.14	11582.17	11882.79	11582.17	12094.14	12732.72
G 60.0	11722.40	11372.09	11411.04	11509.28	11358.86	11223.09	12063.56	11457.46	11061.14	11730.75	11061.14	11457.46	12063.56
G 65.0	10932.46	10634.54	10686.85	10504.12	10546.21	10619.15	11649.07	10958.80	10553.72	11512.53	10553.72	10958.80	11649.07
G 70.0	10267.05	9827.70	9973.97	9758.86	9846.19	9303.55	10596.47	9783.69	9291.21	10370.74	9291.21	9783.69	10596.47
G 75.0	8875.94	8642.20	8412.67	8517.94	8229.75	8305.74	9840.50	8876.04	8297.51	9616.19	8297.51	8876.04	9840.50
G 80.0	7930.08	7427.25	7434.89	7216.10	7171.41	7236.64	8280.43	7399.61	6706.78	8094.98	6706.78	7399.61	8280.43
G 85.0	6430.26	6380.28	6293.49	6146.94	6091.21	5836.85	7648.08	6550.45	5885.77	7317.91	5885.77	6550.45	7648.08
G 90.0	6986.75	6459.78	6531.21	6063.79	5905.53	5963.26	8840.24	6743.57	5273.00	7009.71	5273.00	6743.57	8840.24

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

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	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52
G 5.0	10012.39	10013.68	9993.01	9976.31	9970.56	10021.22	10065.12	10067.18	10081.60	10104.93	10112.59	10020.63	10057.11
G 10.0	9974.70	9972.47	9965.64	9958.25	9947.20	9999.73	10047.12	10046.87	10060.19	10066.48	10068.47	9997.61	10039.76
G 15.0	10221.00	10209.39	10252.31	10280.22	10260.43	10240.95	10232.80	10227.11	10225.84	10171.02	10148.26	10254.11	10221.36
G 20.0	10858.68	10846.93	10838.00	10817.94	10764.48	10672.88	10622.59	10633.10	10678.82	10669.26	10628.86	10813.81	10634.87
G 25.0	11912.36	11919.28	11663.50	11421.49	11285.07	11192.94	11184.20	11262.07	11483.02	11736.22	11709.33	11653.99	11335.66
G 30.0	12993.91	13003.54	12584.58	12079.53	11799.31	11721.66	11787.34	12002.25	12459.79	12934.08	12926.50	12596.58	12067.86
G 35.0	13525.13	13536.32	13286.70	12698.91	12255.01	12158.52	12300.22	12701.04	13321.97	13640.88	13640.42	13277.05	12680.45
G 40.0	13207.29	13285.29	13195.71	12842.67	12389.98	12342.13	12653.52	13138.04	13615.86	13583.48	13637.07	13147.82	13010.87
G 45.0	12932.70	12914.76	12850.81	12691.18	12257.22	12316.26	12687.91	13104.52	13162.78	13345.98	13410.78	12898.02	12989.14
G 50.0	12400.90	12487.86	12495.12	12419.33	12163.79	12048.49	12464.66	12898.77	13040.15	13059.54	13097.90	12506.25	12733.50
G 55.0	12048.11	11988.03	11941.03	12019.42	11693.25	11922.59	12381.43	12612.91	12799.55	12809.74	12847.34	12002.61	12516.27
G 60.0	11223.09	11358.86	11509.28	11411.04	11372.09	11722.40	11938.71	12361.21	12157.27	12139.64	12189.81	11460.29	11871.31
G 65.0	10619.15	10546.21	10504.12	10686.85	10634.54	10932.46	11539.77	11800.94	11699.26	11694.92	11759.35	10610.19	11246.72
G 70.0	9303.55	9846.19	9758.86	9973.97	9827.70	10267.05	11112.61	11037.00	10653.22	10631.54	10682.04	9880.77	10438.35
G 75.0	8305.74	8229.75	8517.94	8412.67	8642.20	8875.94	9890.32	10005.15	9906.72	9877.63	9956.11	8305.52	9284.66
G 80.0	7236.64	7171.41	7216.10	7434.89	7427.25	7930.08	9068.36	8774.28	8539.52	8457.34	8657.10	7266.58	8394.87
G 85.0	5836.85	6091.21	6146.94	6293.49	6380.28	6430.26	7934.00	7914.49	7783.16	7662.66	7711.07	6154.14	7278.04
G 90.0	5963.26	5905.53	6063.79	6531.21	6459.78	6986.75	9205.66	8759.85	8787.19	8591.47	8660.73	5975.59	8207.53

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency 100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG Sym. on planes 270-90

Luminance cd/m2 **Table 3/3**

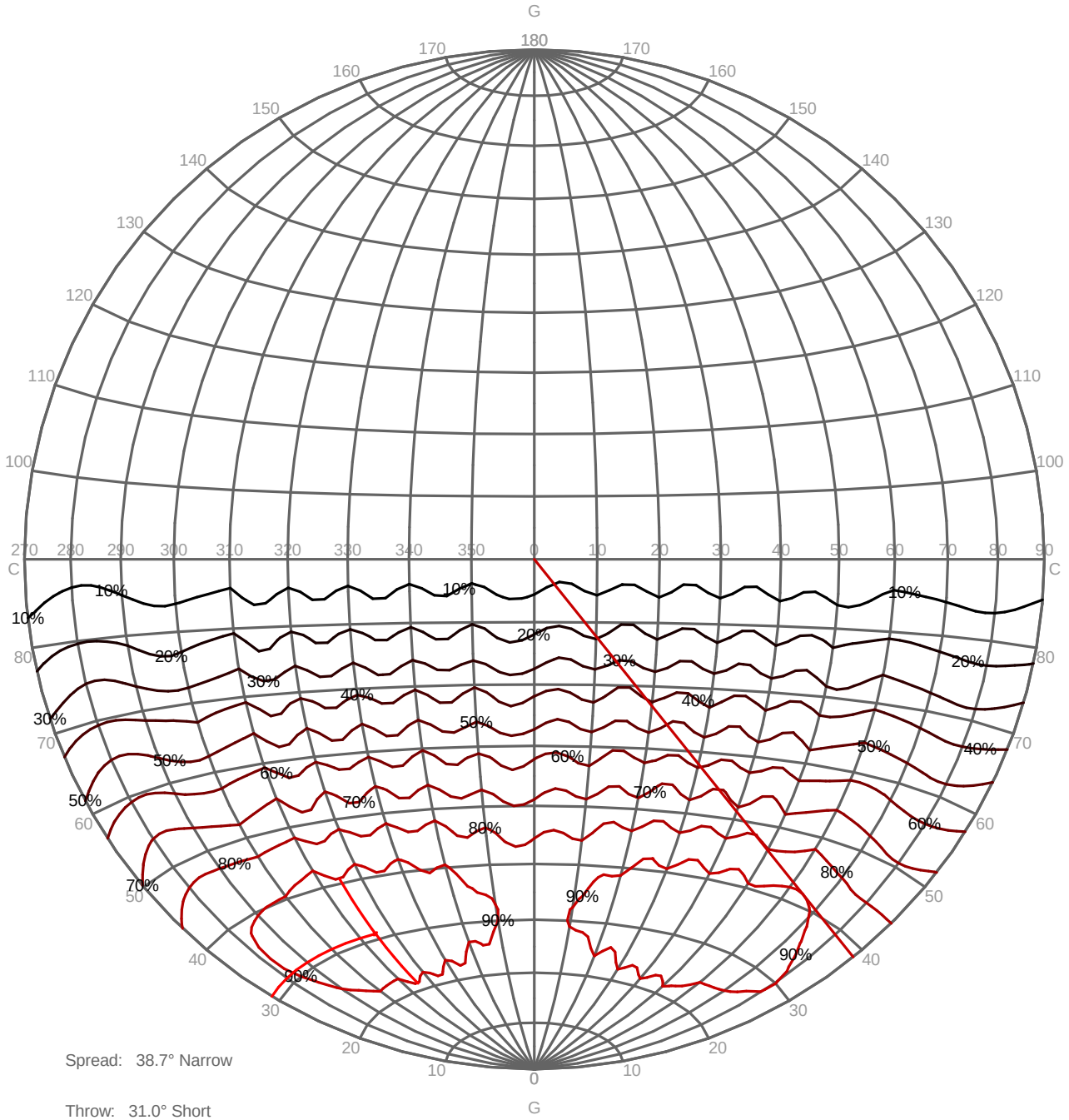
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52	10230.52
G 5.0	10100.94	10014.00	10100.94	10057.11	10020.63	10112.59	10104.93	10081.60	10067.18	10065.12
G 10.0	10077.32	9990.06	10077.32	10039.76	9997.61	10068.47	10066.48	10060.19	10046.87	10047.12
G 15.0	10193.66	10233.48	10193.66	10221.36	10254.11	10148.26	10171.02	10225.84	10227.11	10232.80
G 20.0	10508.44	10651.93	10508.44	10634.87	10813.81	10628.86	10669.26	10678.82	10633.10	10622.59
G 25.0	11133.93	11128.97	11133.93	11335.66	11653.99	11709.33	11736.22	11483.02	11262.07	11184.20
G 30.0	11689.07	11625.71	11689.07	12067.86	12596.58	12926.50	12934.08	12459.79	12002.25	11787.34
G 35.0	12271.46	12052.92	12271.46	12680.45	13277.05	13640.42	13640.88	13321.97	12701.04	12300.22
G 40.0	12792.38	12175.56	12792.38	13010.87	13147.82	13637.07	13583.48	13615.86	13138.04	12653.52
G 45.0	12908.82	12132.84	12908.82	12989.14	12898.02	13410.78	13345.98	13162.78	13104.52	12687.91
G 50.0	12728.28	11824.05	12728.28	12733.50	12506.25	13097.90	13059.54	13040.15	12898.77	12464.66
G 55.0	12727.40	11650.59	12727.40	12516.27	12002.61	12847.34	12809.74	12799.55	12612.91	12381.43
G 60.0	12174.31	11053.26	12174.31	11871.31	11460.29	12189.81	12139.64	12157.27	12361.21	11938.71
G 65.0	11937.95	10571.59	11937.95	11246.72	10610.19	11759.35	11694.92	11699.26	11800.94	11539.77
G 70.0	10957.63	9752.20	10957.63	10438.35	9880.77	10682.04	10631.54	10653.22	11037.00	11112.61
G 75.0	10353.87	8404.23	10353.87	9284.66	8305.52	9956.11	9877.63	9906.72	10005.15	9890.32
G 80.0	9003.13	7308.41	9003.13	8394.87	7266.58	8657.10	8457.34	8539.52	8774.28	9068.36
G 85.0	8257.08	5772.07	8257.08	7278.04	6154.14	7711.07	7662.66	7783.16	7914.49	7934.00
G 90.0	9366.19	5791.29	9366.19	8207.53	5975.59	8660.73	8591.47	8787.19	8759.85	9205.66

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

PERCENTAGE ISOCANDLES

Projection: SLI 5.3 Tight Tilting Angle:0°



Spread: 38.7° Narrow

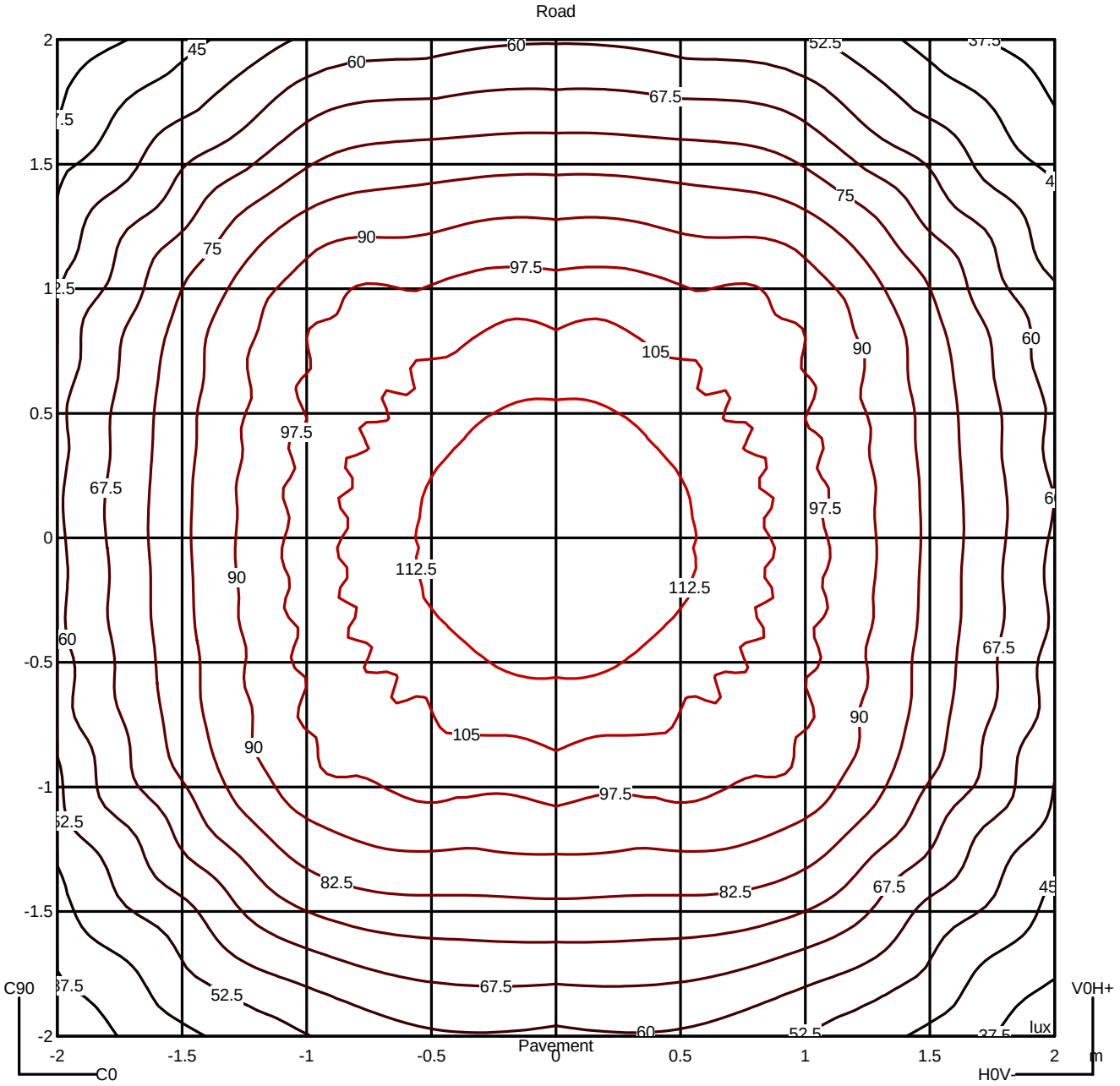
Throw: 31.0° Short

Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

Isolux (Floor)

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



Luminaire
Code 60-9913-Z5-CL
Name Cabezal PROUD leds 40W
Measurem.
Code 60-9913-Z5-CM
Name Cabezal PROUD leds 40W

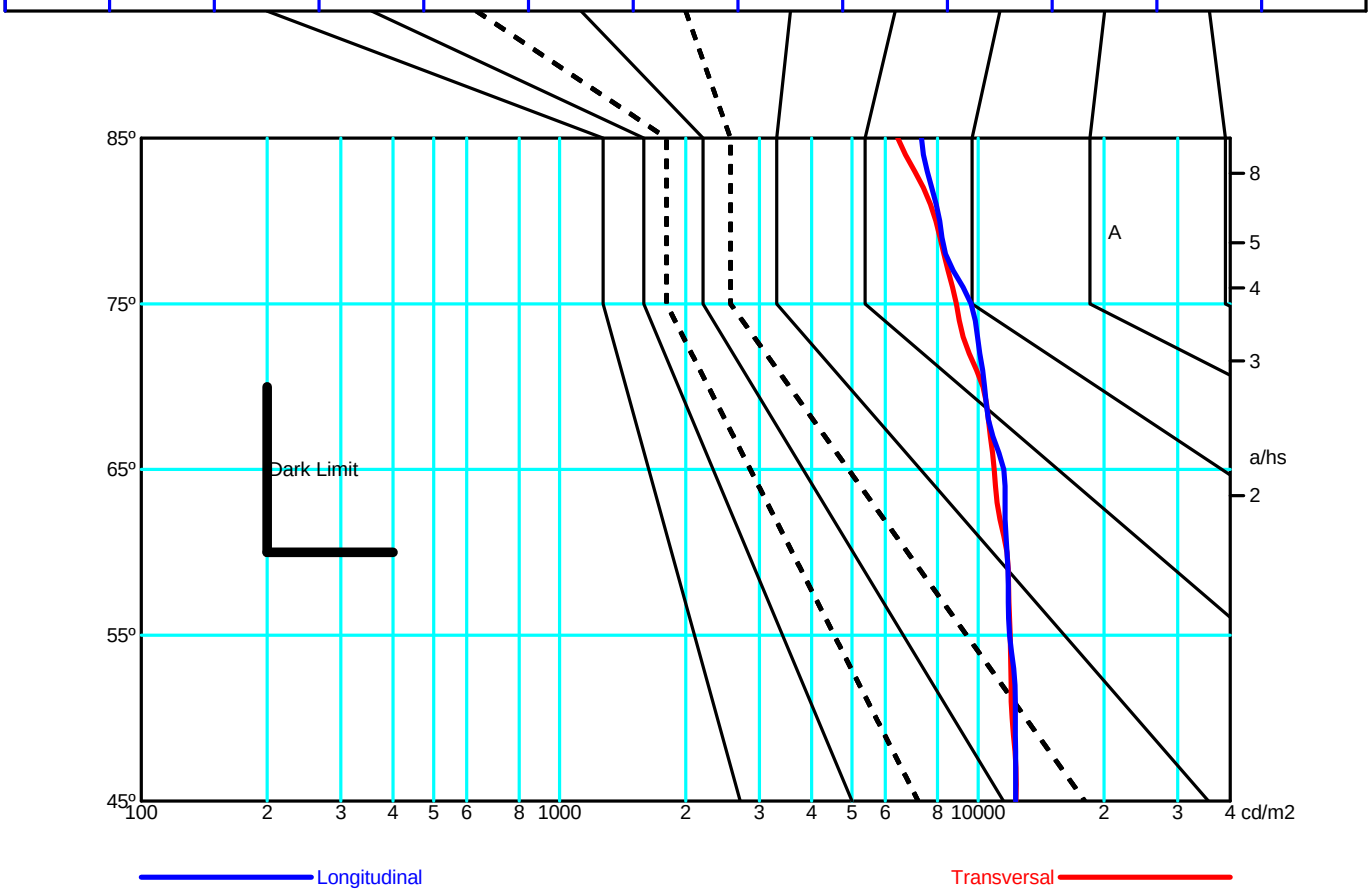
Luminaire Flux	3109.68 lm	Luminaire Power	45.00 W	Efficacy	69.10 lm/W	Efficiency	100.00%
Lamps Flux	3109.68 lm	Maximum value	288.35 cd/klm	Position	C=315.00 G=30.00	CG	Sym. on planes 270-90

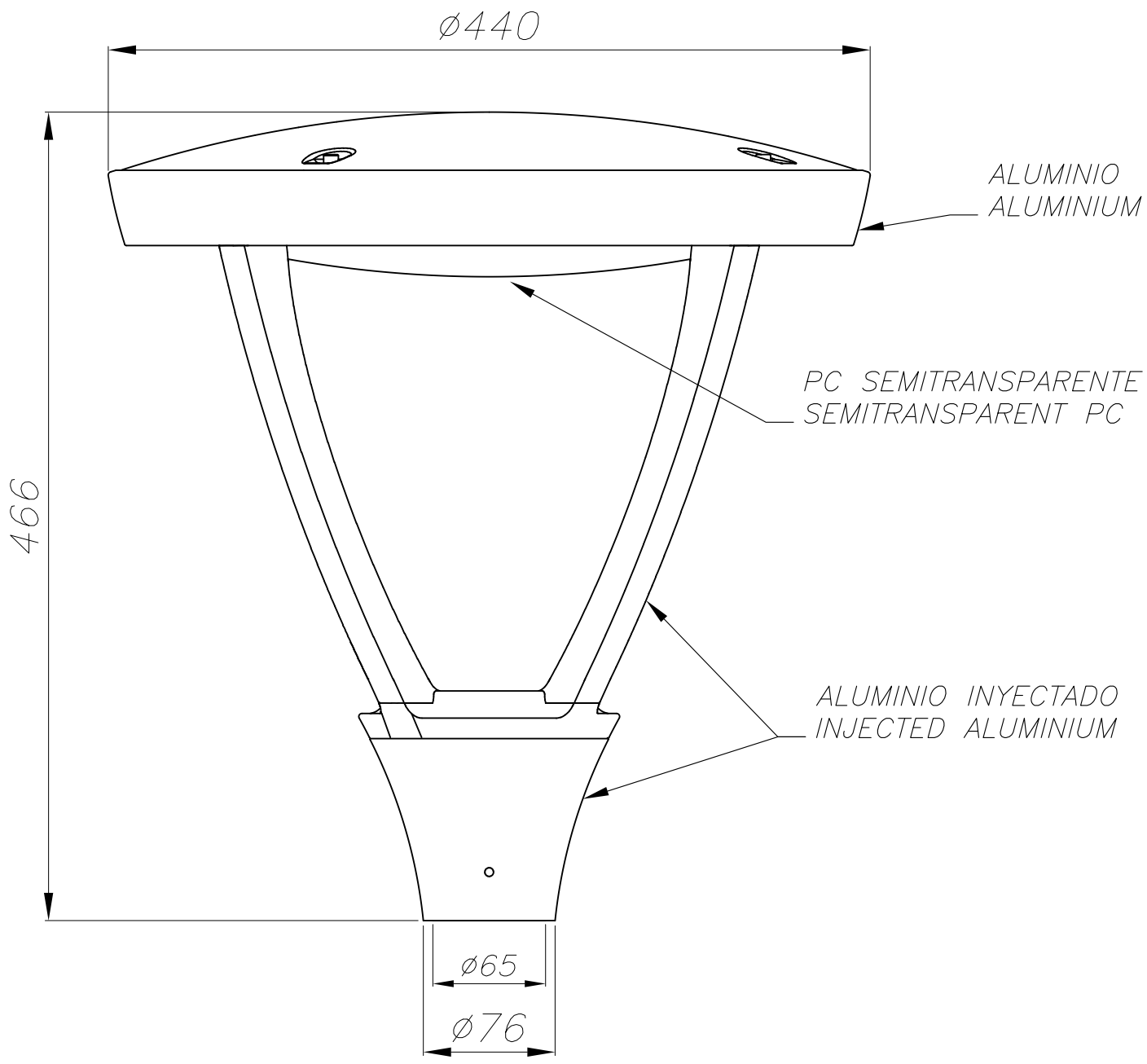
Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	12316	12048	11923	11722	10932	10267	8876	7930	6430	---
90.0°	12293	12272	11883	11731	11513	10371	9616	8095	7318	---

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



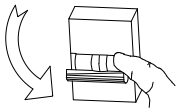

ø440
ALUMINIO
ALUMINIUM
PC SEMITRANSPARENTE
SEMITRANSPARENT PC
466
ALUMINIO INYECTADO
INJECTED ALUMINIUM
ø65
ø76

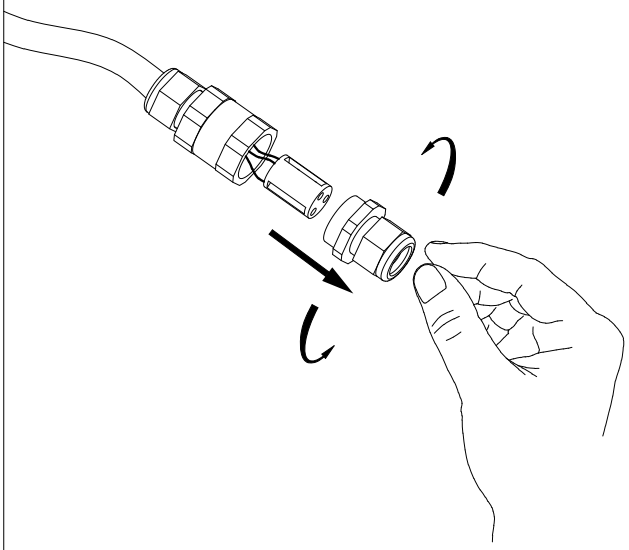
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OUTDOOR

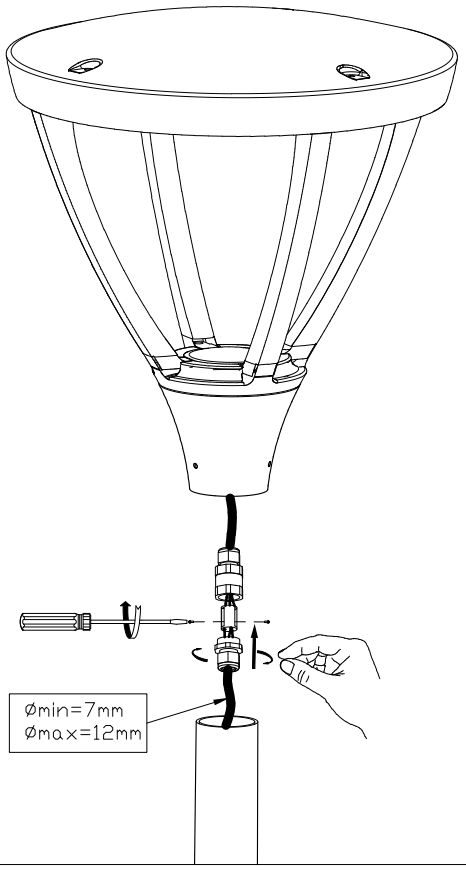
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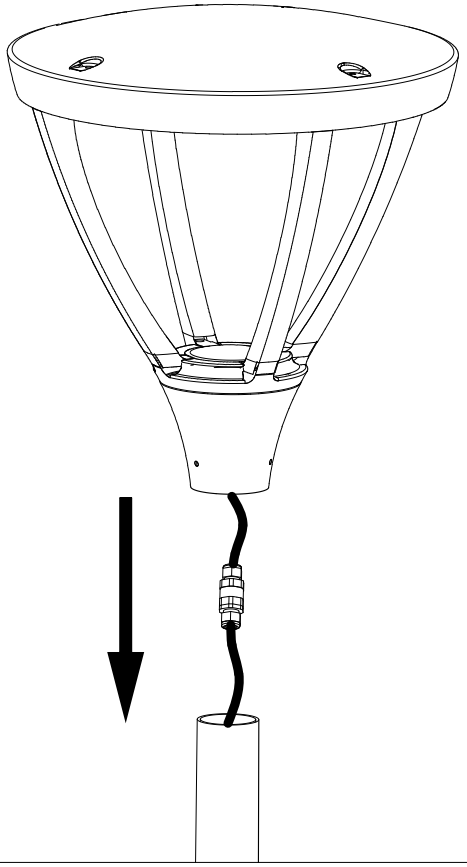


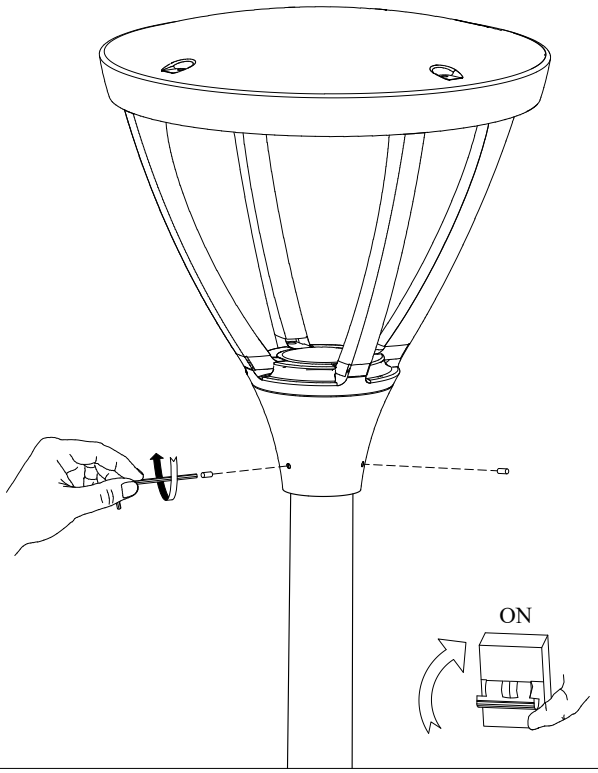


②



③





30-08-17