

TECHNICAL FEATURES



IP44 IK04



Luminaire total power : 30W

Structure material : Steel

Structure finish : Grey

Diffuser material : Glass

Diffuser finish : Sandblasted

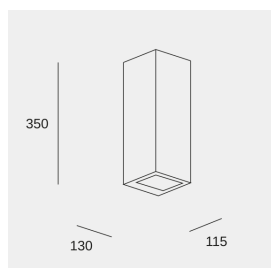
Max. size of light bulb : 110/96 mm

Recommended light bulb : E27

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

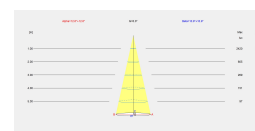
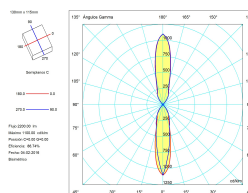
Warranty : 2 Years

Easily recyclable luminaire



LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
E27	2	Max. power 15W	-



LOGISTICS

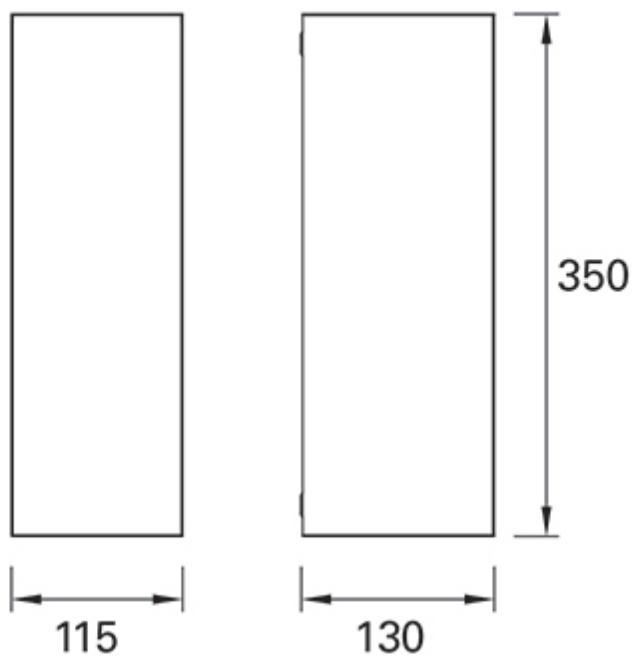
Net weight (kg): 1.63

Packaged weight (kg): 1.78

Packaging: 140mm x 120mm x 360mm



8 Un



Luminaire

Code PX-0127-GRI
Name KAREN 2x75W PAR 30

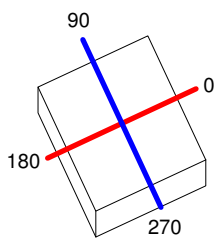
Measurement

Code PX-0127-GRI
Name KAREN 2x75W PAR 30

Luminaire Flux	1908.20 lm	Luminaire Power	150.00 W	Efficacy	12.72 lm/W	Efficiency	86.74%
Lamps Flux	2200.00 lm	Maximum value	2420.00 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	130 mm 70 mm	Width Width	115 mm 70 mm	Height Height	350 mm 1 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.004900 m2 0.000070 m2 0.000070 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000070 m2 0.000070 m2 0.001253 m2			
Coordinate system Date Measurement Distance	CG 04-02-2016 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 180 2200.00 lm			
Operator Temperature Humidity Notes	Asselum 25.00 °C 60.00 %		Source Voltage [V] Source current [A] Photocell				

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Hi-Spot 95-CB 75W 30		Name Hi-Spot 95-CB 75W 30		1100.00	75.00	2
C.I.E.	93 99 100 49 87			D DIN 5040		C62		
F UTE	0.43 A + 0.44 T			B NBN		BZ 1		

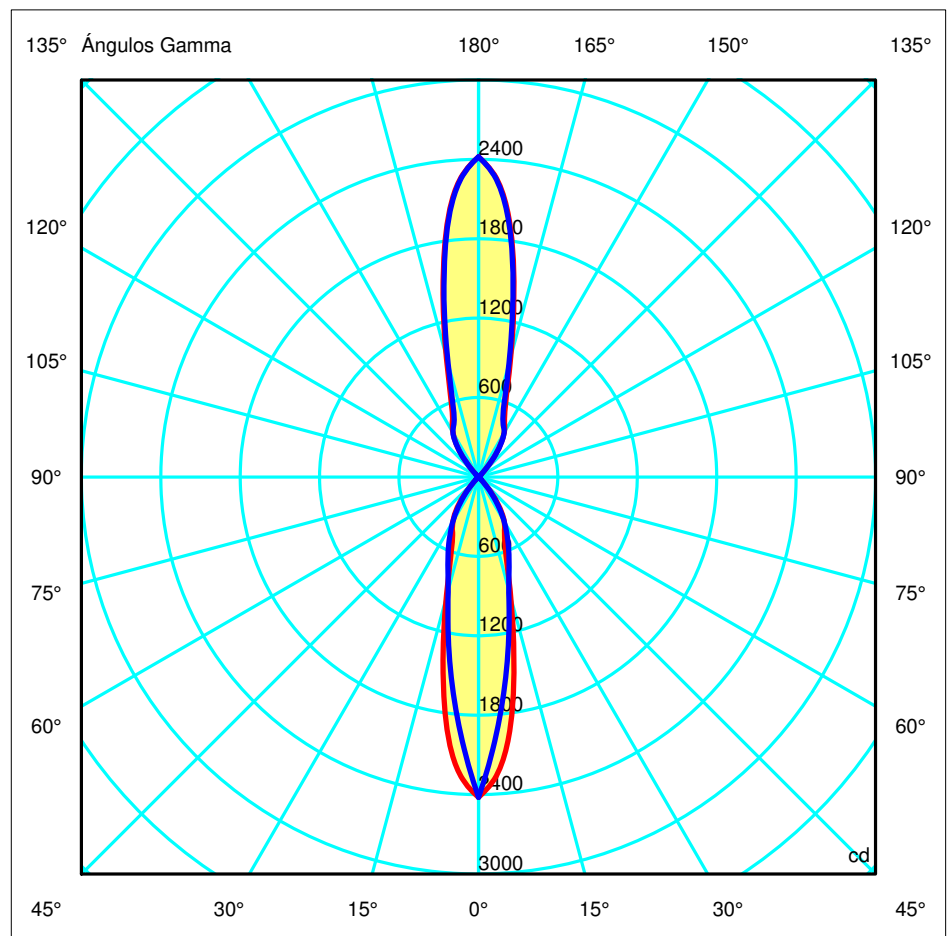
130mm x 115mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 43.92 %
DLOR 42.82 %
RN 50.64 %



Luminaire

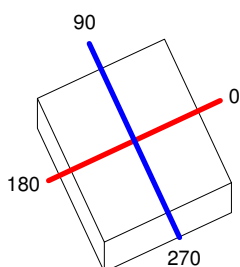
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Name KAREN 2x75W PAR 30

Measurem.

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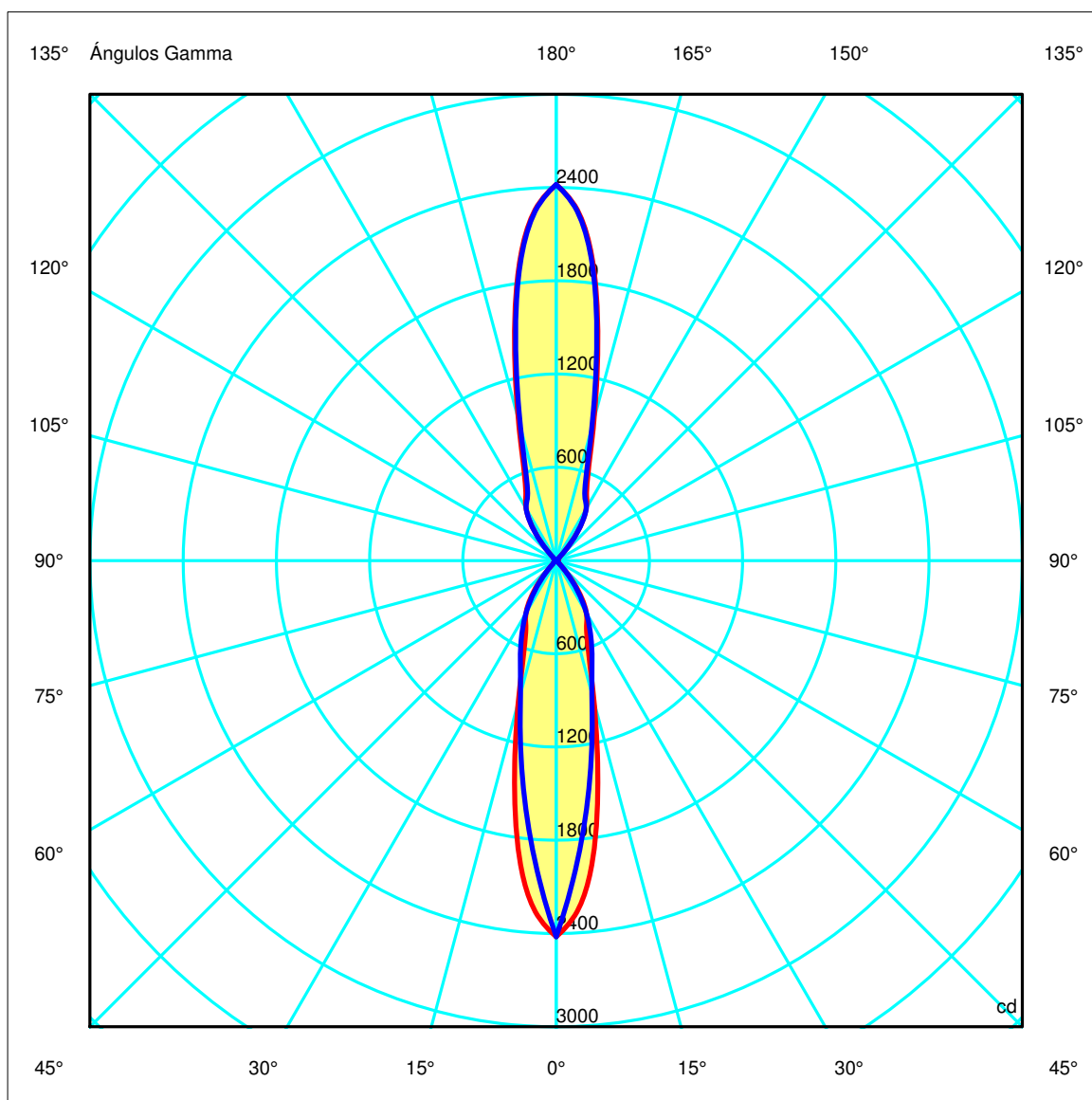
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130mm x 115mm



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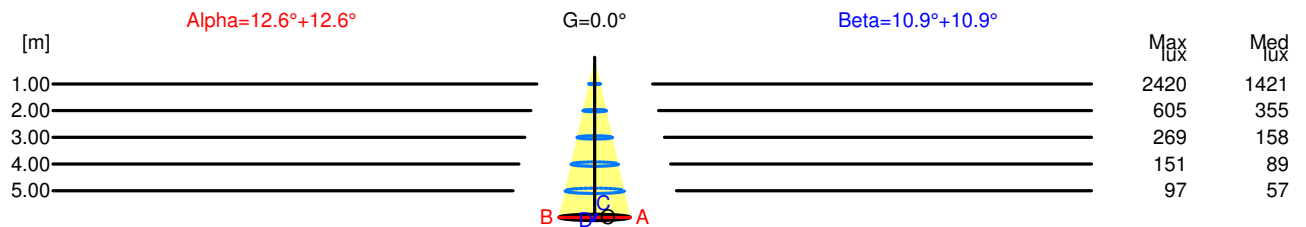
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Width at 50.00 % of Max Intensity

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	0.22	0.45	0.67	0.89	1.11	OC	0.19	0.39	0.58	0.77	0.96
OB	0.22	0.45	0.67	0.89	1.11	OD	0.19	0.39	0.58	0.77	0.96

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	2420.00	2144.10	939.53	463.12	273.22	26.93	18.02	10.03	2.95	1.11
OB	2420.00	2144.10	939.53	463.12	273.22	26.93	18.02	10.03	2.95	1.11
OC	2420.00	1828.00	886.91	521.62	245.83	25.50	14.88	7.04	1.97	0.00
OD	2420.00	1828.00	886.91	521.62	245.83	25.50	14.88	7.04	1.97	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=12.6°+12.6°	G=0.0
1.00	0.45	2420	1421		
2.00	0.89	605	355		
3.00	1.34	269	158		
4.00	1.78	151	89		
5.00	2.23	97	57		

H[m]	D[m]	Max lux	Med lux	Beta=10.9°+10.9°	G=0.0
1.00	0.39	2420	1421		
2.00	0.77	605	355		
3.00	1.16	269	158		
4.00	1.54	151	89		
5.00	1.93	97	57		

Luminaire

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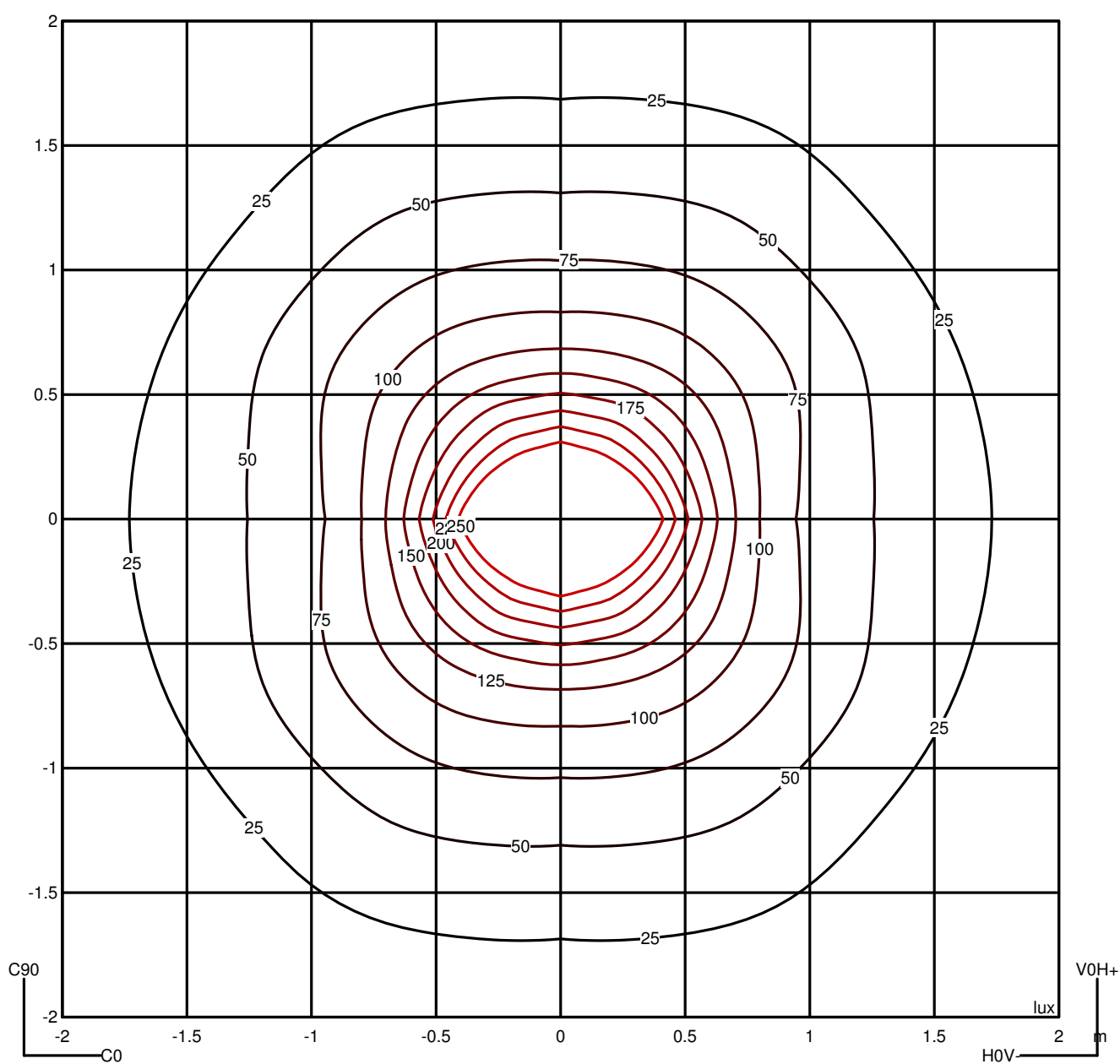
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Isolux (Floor)

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



Luminaire

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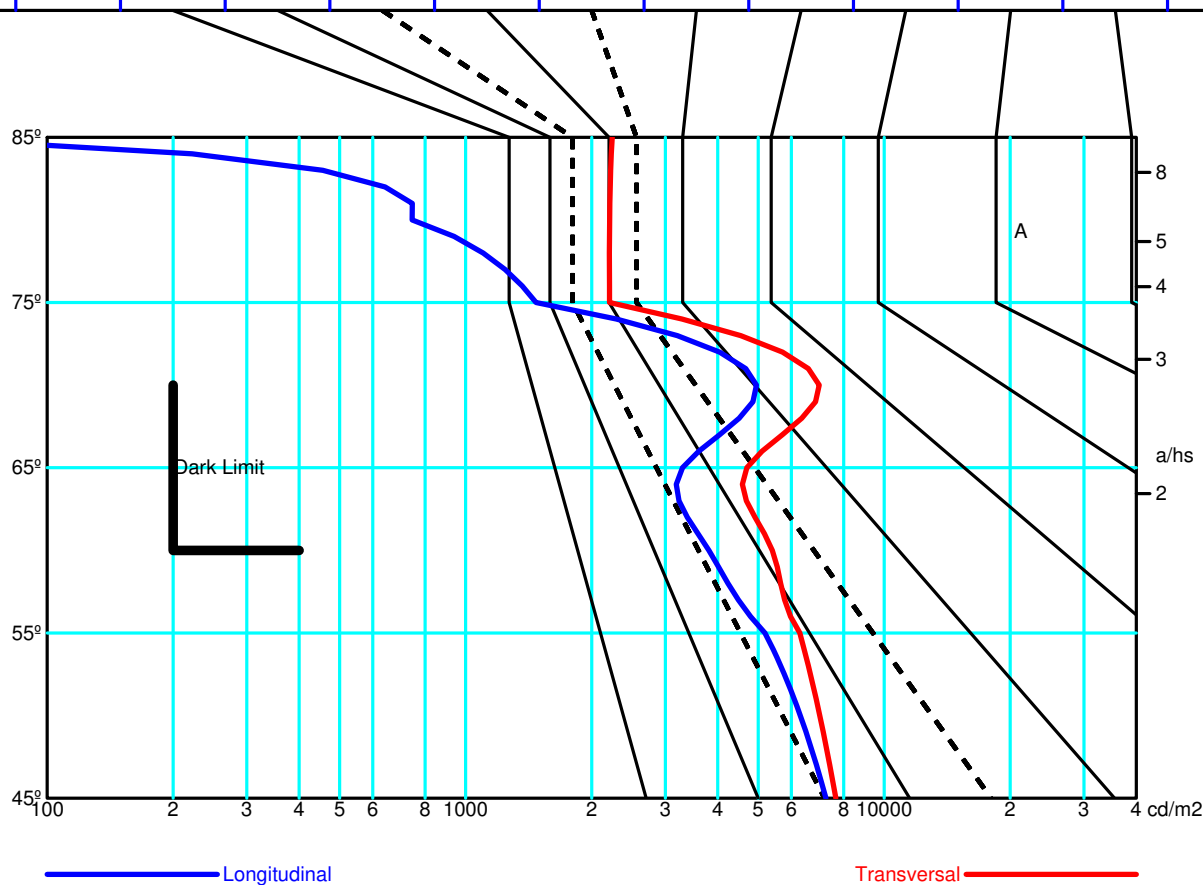
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Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
7662	7016	6283	5404	4698	6994	2207	2208	2240	---	
90.0°	7257	6303	5189	3812	3297	4953	1473	745	0	---

Flujo montado o vista longitudinal												
		Iluminancia (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

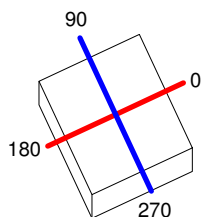
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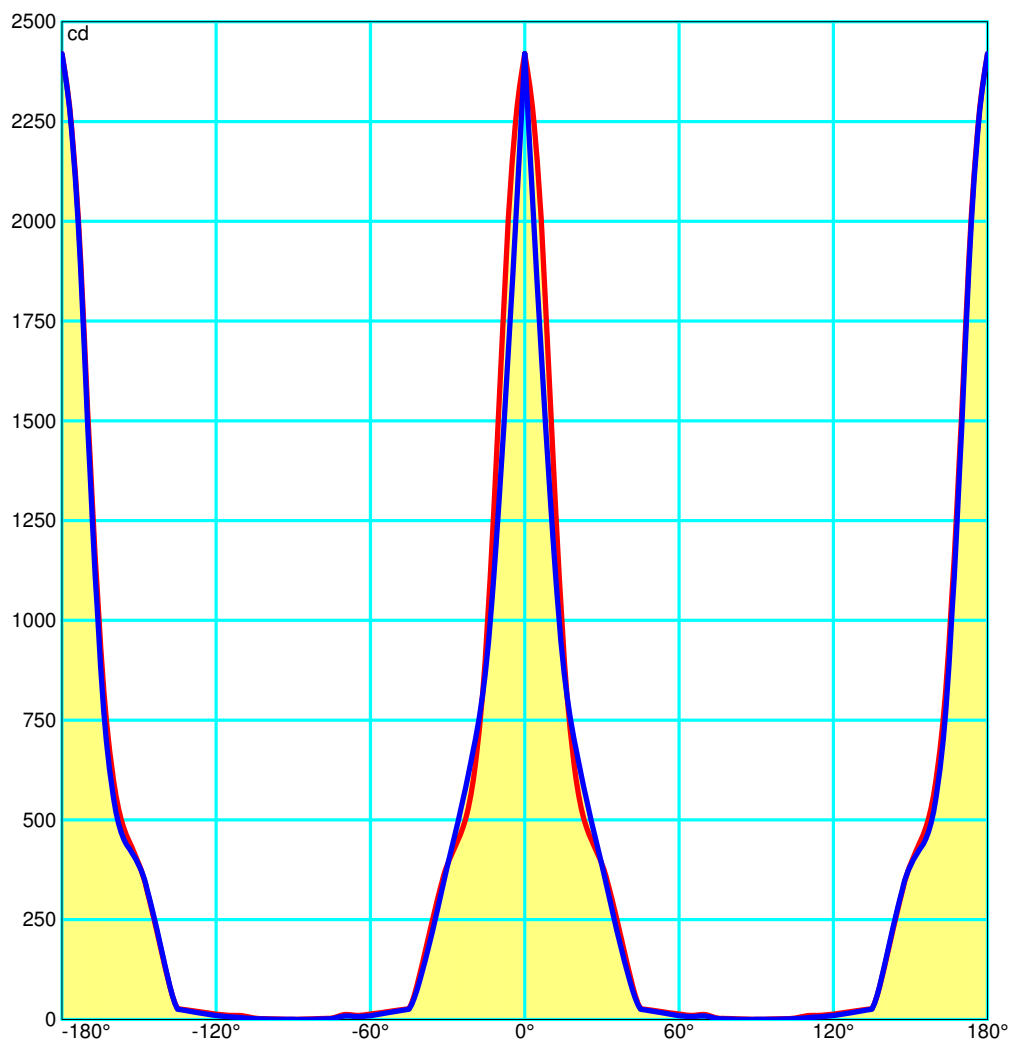
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130mm x 115mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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Lamps Flux	2200.00 lm	Maximum value	2420.00 cd	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										
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	14.0	14.6	14.9	15.5	16.6	14.1	14.7	15.0	15.6	16.6
x=2H y=3H	14.1	14.6	15.0	15.5	16.6	14.1	14.6	15.0	15.5	16.6
x=2H y=4H	14.0	14.5	14.9	15.4	16.5	14.0	14.5	14.9	15.3	16.5
x=2H y=6H	13.9	14.3	14.8	15.3	16.4	13.8	14.3	14.8	15.2	16.4
x=2H y=8H	13.8	14.3	14.8	15.2	16.3	13.8	14.2	14.7	15.1	16.3
x=2H y=12H	13.8	14.2	14.7	15.1	16.2	13.7	14.1	14.7	15.0	16.2
x=4H y=2H	13.7	14.2	14.6	15.1	16.3	13.8	14.3	14.7	15.2	16.3
x=4H y=3H	13.7	14.1	14.7	15.1	16.3	13.7	14.1	14.7	15.1	16.3
x=4H y=4H	13.7	14.1	14.7	15.0	16.2	13.6	14.0	14.6	14.9	16.2
x=4H y=6H	13.6	13.9	14.6	14.9	16.0	13.5	13.8	14.5	14.8	16.0
x=4H y=8H	13.5	13.8	14.6	14.8	15.9	13.4	13.7	14.4	14.7	15.9
x=4H y=12H	13.5	13.7	14.5	14.7	15.9	13.3	13.6	14.3	14.6	15.9
x=8H y=4H	13.5	13.8	14.5	14.8	16.0	13.4	13.7	14.4	14.7	16.0
x=8H y=6H	13.4	13.6	14.4	14.6	15.8	13.3	13.5	14.3	14.5	15.8
x=8H y=8H	13.3	13.5	14.4	14.5	15.7	13.2	13.4	14.2	14.4	15.7
x=8H y=12H	13.3	13.4	14.3	14.5	15.6	13.1	13.3	14.2	14.3	15.6
x=12H y=4H	13.4	13.7	14.4	14.7	15.9	13.3	13.6	14.4	14.6	15.9
x=12H y=6H	13.3	13.5	14.4	14.5	15.7	13.2	13.4	14.2	14.4	15.7
x=12H y=8H	13.2	13.4	14.3	14.4	15.6	13.1	13.3	14.2	14.3	15.6

Luminaire

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Measurem.

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Lamps Flux	2200.00 lm	Maximum value	2420.00 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=2200.00 Flujo Luminaria=1908.20

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	0.68	0.73	0.78	0.82	0.85	0.90	0.93	0.96	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	77	199	314	392	416	423	426	428	428	428	430	434	440	464	545	655	784	867

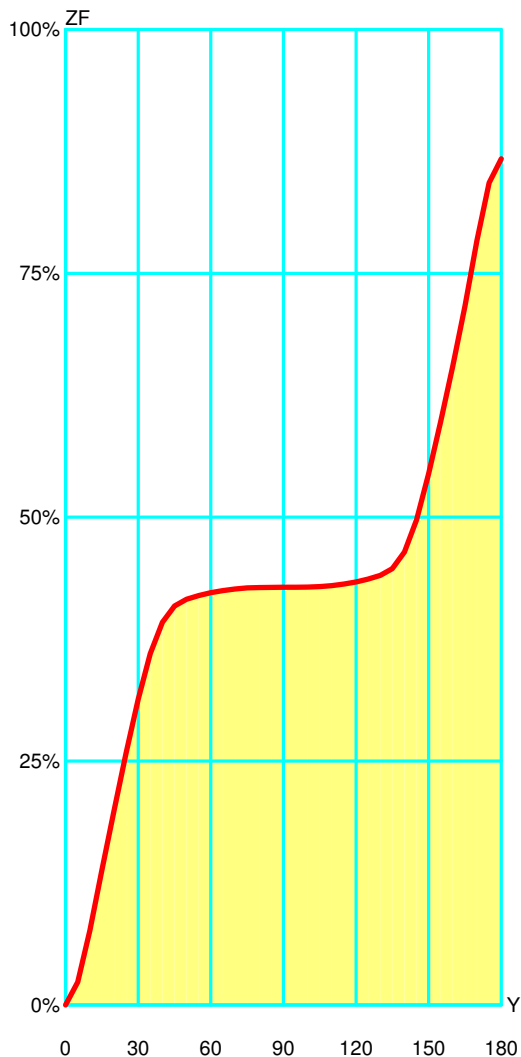
Códigos de Flujo C.I.E.

93 99 100 49 87

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

-/-/-/-/-/-/-/-/-/-
C62
0.43 A + 0.44 T
BZ 1
50.63726 %
1.0

LOR 86.73614 %
ULOR 43.92080 %
DLOR 42.81533 %
UFF 50.63726 %
DFF 49.36274 %
FFR 102.58195 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	23.48	23.48	2.71 %	2.71 %
10°	53.02	76.50	6.11 %	8.82 %
15°	61.83	138.33	7.13 %	15.95 %
20°	60.93	199.26	7.02 %	22.97 %
25°	59.03	258.28	6.81 %	29.78 %
30°	55.30	313.59	6.38 %	36.15 %
35°	46.48	360.07	5.36 %	41.51 %
40°	32.15	392.22	3.71 %	45.22 %
45°	16.74	408.96	1.93 %	47.15 %
50°	6.88	415.84	0.79 %	47.94 %
55°	3.86	419.71	0.45 %	48.39 %
60°	2.94	422.64	0.34 %	48.73 %
65°	2.11	424.76	0.24 %	48.97 %
70°	1.65	426.40	0.19 %	49.16 %
75°	1.09	427.49	0.13 %	49.29 %
80°	0.43	427.92	0.05 %	49.34 %
85°	0.16	428.08	0.02 %	49.35 %
90°	0.07	428.15	0.01 %	49.36 %
95°	0.07	428.23	0.01 %	49.37 %
100°	0.16	428.38	0.02 %	49.39 %
105°	0.44	428.82	0.05 %	49.44 %
110°	1.05	429.87	0.12 %	49.56 %
115°	1.60	431.47	0.18 %	49.75 %
120°	2.12	433.59	0.24 %	49.99 %
125°	2.93	436.52	0.34 %	50.33 %
130°	3.84	440.36	0.44 %	50.77 %
135°	6.84	447.20	0.79 %	51.56 %
140°	17.06	464.26	1.97 %	53.53 %
145°	33.10	497.36	3.82 %	57.34 %
150°	47.19	544.55	5.44 %	62.78 %
155°	54.02	598.58	6.23 %	69.01 %
160°	56.40	654.98	6.50 %	75.51 %
165°	61.34	716.32	7.07 %	82.59 %
170°	67.38	783.70	7.77 %	90.35 %
175°	59.06	842.76	6.81 %	97.16 %
180°	24.60	867.36	2.84 %	100.00 %

Luminaire

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Measurement

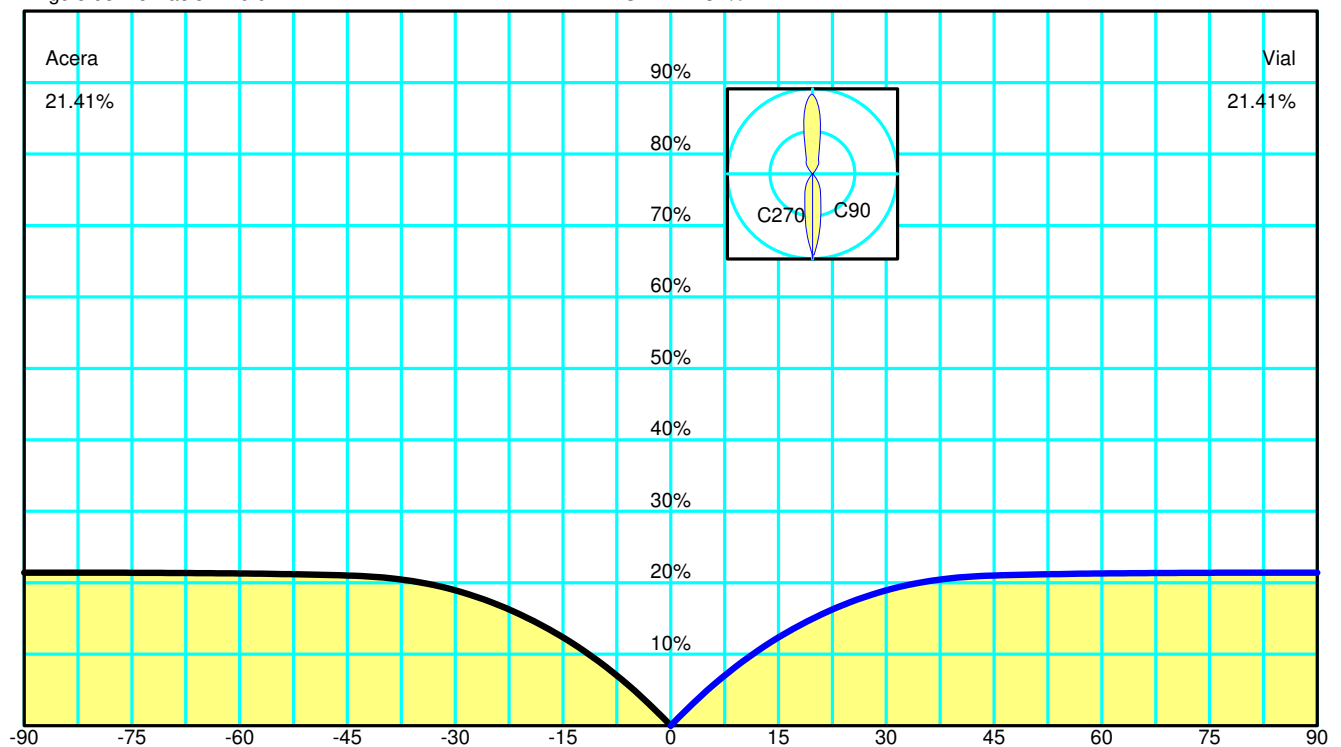
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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	4.87%	Piano	5	4.87%
Piano	-10	8.97%	Piano	10	8.97%
Piano	-15	12.35%	Piano	15	12.35%
Piano	-20	15.10%	Piano	20	15.10%
Piano	-25	17.29%	Piano	25	17.29%
Piano	-30	18.94%	Piano	30	18.94%
Piano	-35	20.07%	Piano	35	20.07%
Piano	-40	20.73%	Piano	40	20.73%
Piano	-45	21.01%	Piano	45	21.01%
Piano	-50	21.14%	Piano	50	21.14%
Piano	-55	21.23%	Piano	55	21.23%
Piano	-60	21.30%	Piano	60	21.30%
Piano	-65	21.34%	Piano	65	21.34%
Piano	-70	21.37%	Piano	70	21.37%
Piano	-75	21.40%	Piano	75	21.40%
Piano	-80	21.40%	Piano	80	21.40%
Piano	-85	21.41%	Piano	85	21.41%
Piano	-90	21.41%	Piano	90	21.41%

Ángulo de Inclinación = 0.0

DLOR = 42.82%



Spread	0.0° Estrecho	DLOR	42.81533 %
Throw	177.7° Largo	ULOR	43.92080 %
SLI (deslumbramiento)	Concentrado	Rendimiento	86.73614 %
Cutoff CIE	Cutoff - Max: C=0.0° Gamma=0.0°	RN	50.63726 %
Cutoff Iesna	Cutoff	Clase de Intensidad Luminosa	G3
DIN5044	KB1	Índice de Deslumbramiento	D6
IESNA Type VS Very Short Quadrilateral Symmetry			

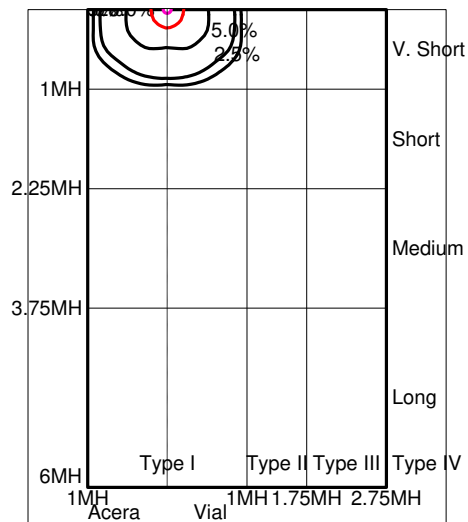
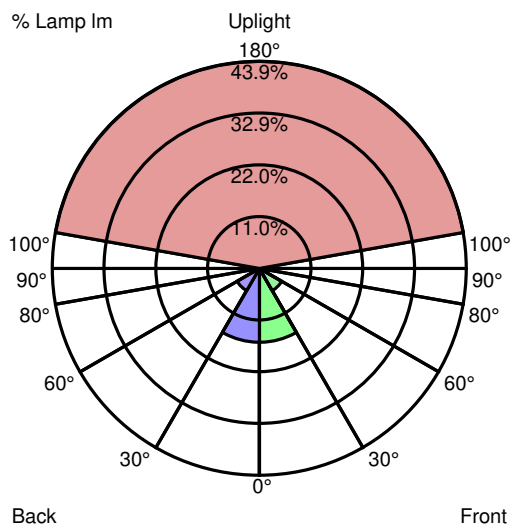
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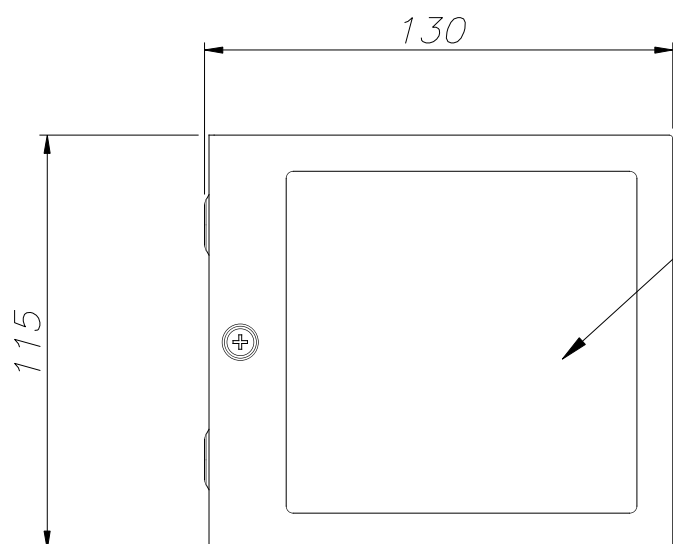
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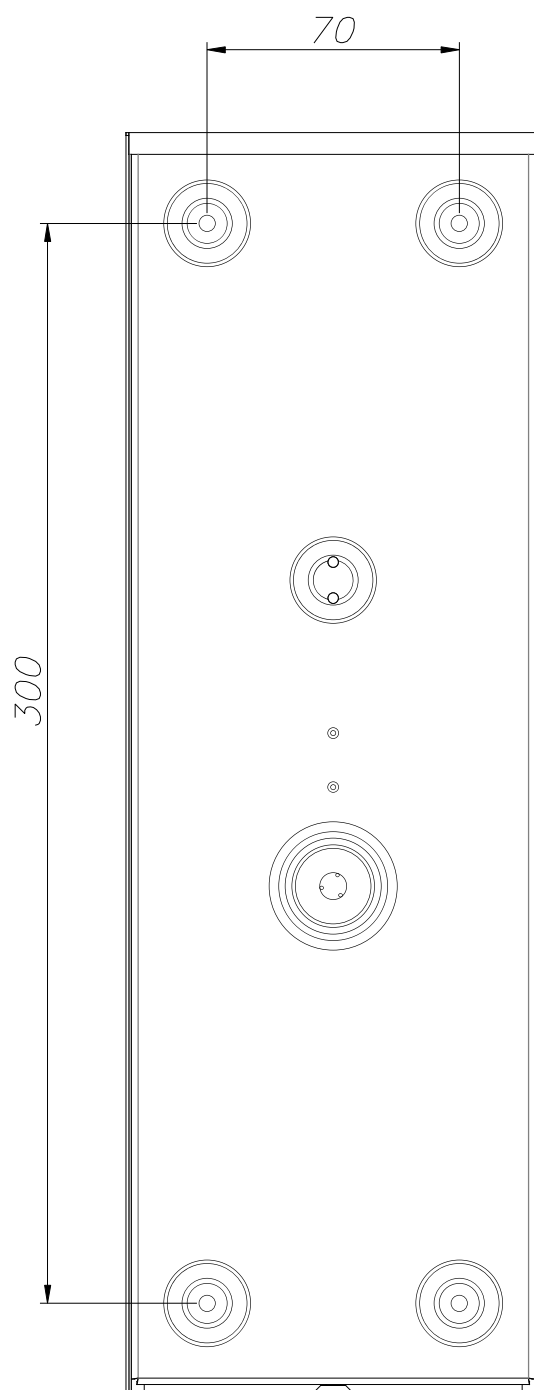
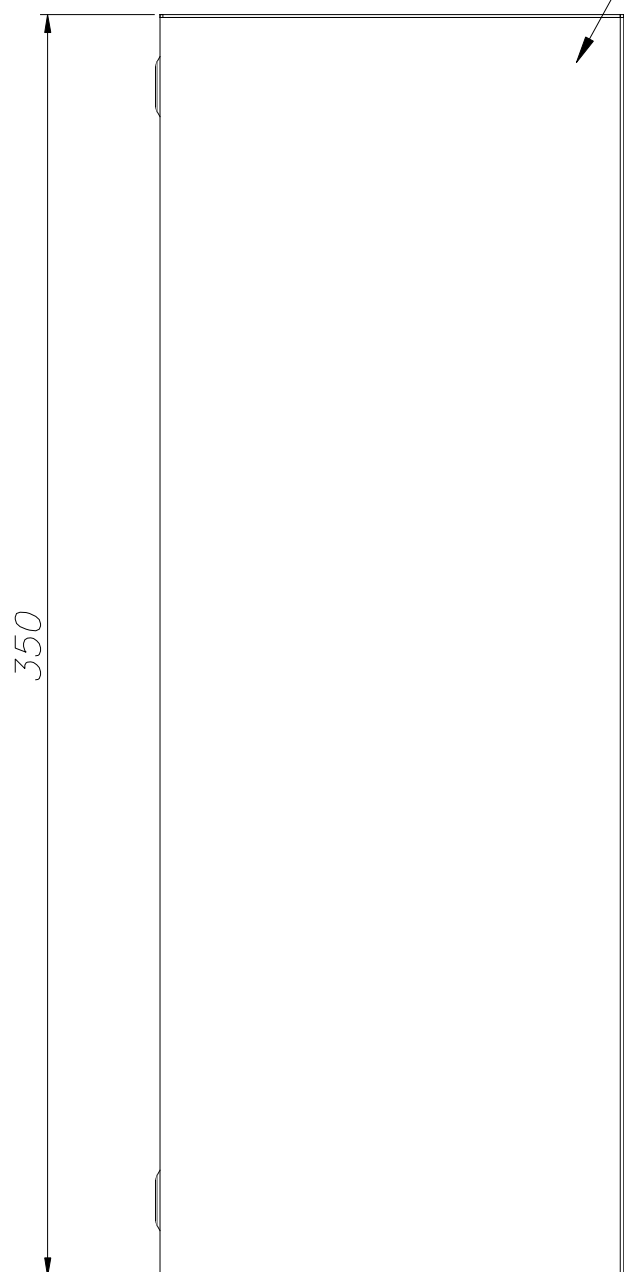
US ROAD STANDARDS


Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	344.8 lm	15.7 %
FM	30° -- 60°	119.9 lm	5.4 %
FH	60° -- 80°	5.8 lm	0.3 %
FVH	80° -- 90°	0.2 lm	0.0 %
BL	0° -- 30°	344.8 lm	15.7 %
BM	30° -- 60°	119.9 lm	5.4 %
BH	60° -- 80°	5.8 lm	0.3 %
BVH	80° -- 90°	0.2 lm	0.0 %
UL	90° -- 100°	0.5 lm	0.0 %
UH	100° -- 180°	966.3 lm	43.9 %
TOTALS		1908.2 lm	86.7 %
BUG B1 U4 G0 Type VS Very Short Quadrilateral Symmetry			

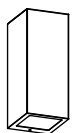


CRISTAL MATIZADO POR DENTRO
GLASS FROSTED INSIDE

ACERO GALVANIZADO/PINTURA EN POLVO
GALVANIZED IRON/POWDER PAINTED



PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE



Cube

PX-0127

FOR
LIGHT

