

15-4797-14-OU




V0

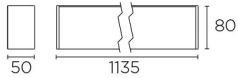
## INFINITE LED Ceiling fixture

**Description**

Ceiling fixture INFINITE LED 34.6W 3000K CRI 80 White IP40 2875lm

	Finish	Material
<b>Structure</b>	White	Aluminium
<b>Diffuser</b>	Tinted	Polycarbonate

 IP40 
  HORIZONTAL 103° 
  1

**TECHNICAL CHARACTERISTICS****Light source**

Light source: LED VOSSLOH  
 Light source power (W): 34.6W  
 Color temperature: LED warm-white  
 3000K  
 CRI: 80  
 Photobiological risk: RG1  
 Real Lumen: 2875  
 Qty Leds: 80  
 Lm/Real W: 85  
 Life Time: 50.000h L80B20  
 Bin / Grup: 3 steps  
 MacAdam steps: 3  
 UGR: 22.1

**GEAR**

Brand: MEANWELL  
 Gear included: Yes, electronic  
 Voltage / Frequency:  
 100-240VAC/50-60Hz  
 Power Factor: 0.90

**Luminaire**

Warranty: 2 Years

**Logistics**

EAN Code: 8435381441159  
 Net Weight (Kg): 2.08  
 Weight in Kg (packaged): 2.56  
 Packing: 1200 x 110 x 70  
 Masterbox: 1

The photograph may not match the reference exactly. Please read the product description to identify the finish.

**Luminaire**

Code 15-4797  
 Name INFINITE LED 34.6w 3000K

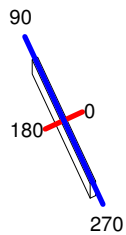
**Measuram.**

Code 15-4797  
 Name INFINITE LED 34.6w 3000K

Luminaire Flux	3286.18 lm	Luminaire Power	34.60 W	Efficacy	94.98 lm/W	Efficiency	100.00%
Lamps Flux	3286.18 lm	Maximum value	1310.49 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	1135 mm 1135 mm	Width Width	50 mm 42 mm	Height Height	80 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.047670 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000000 m2 0.000000 m2 0.011532 m2				
Coordinate system Date Measurement Distance	CG 11-02-2016 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 90 2478.88 lm				
Operator Temperature Humidity Notes	Asselum T2 25.00 °C 60.00 %	Source voltage Source current Photocell					

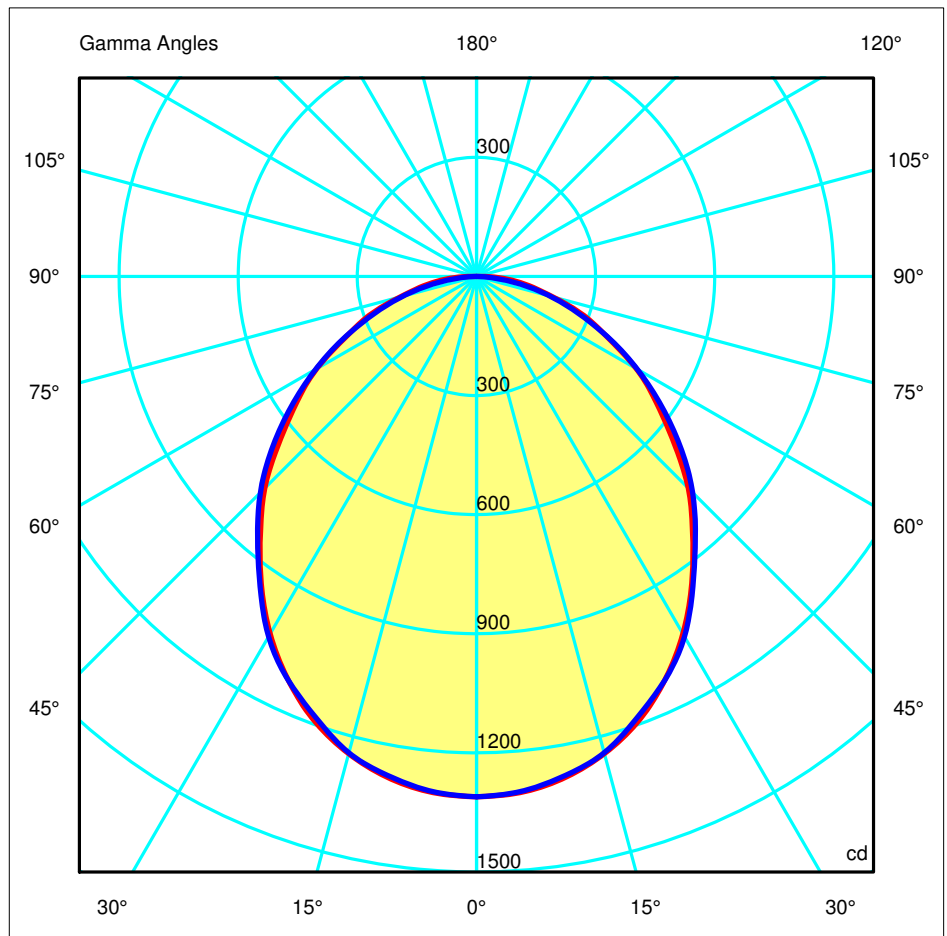
Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Name				
	15-4797-14-00	15-4797-14-00 - 34.6 W		3286.18	34.60	1
C.I.E. F UTE	50 81 96 100 100 1.00 D	D DIN 5040 B NBN	A30 BZ 4			

1135mm x 50mm



C Halfplanes  
 180.0 — 0.0  
 270.0 — 90.0

ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %



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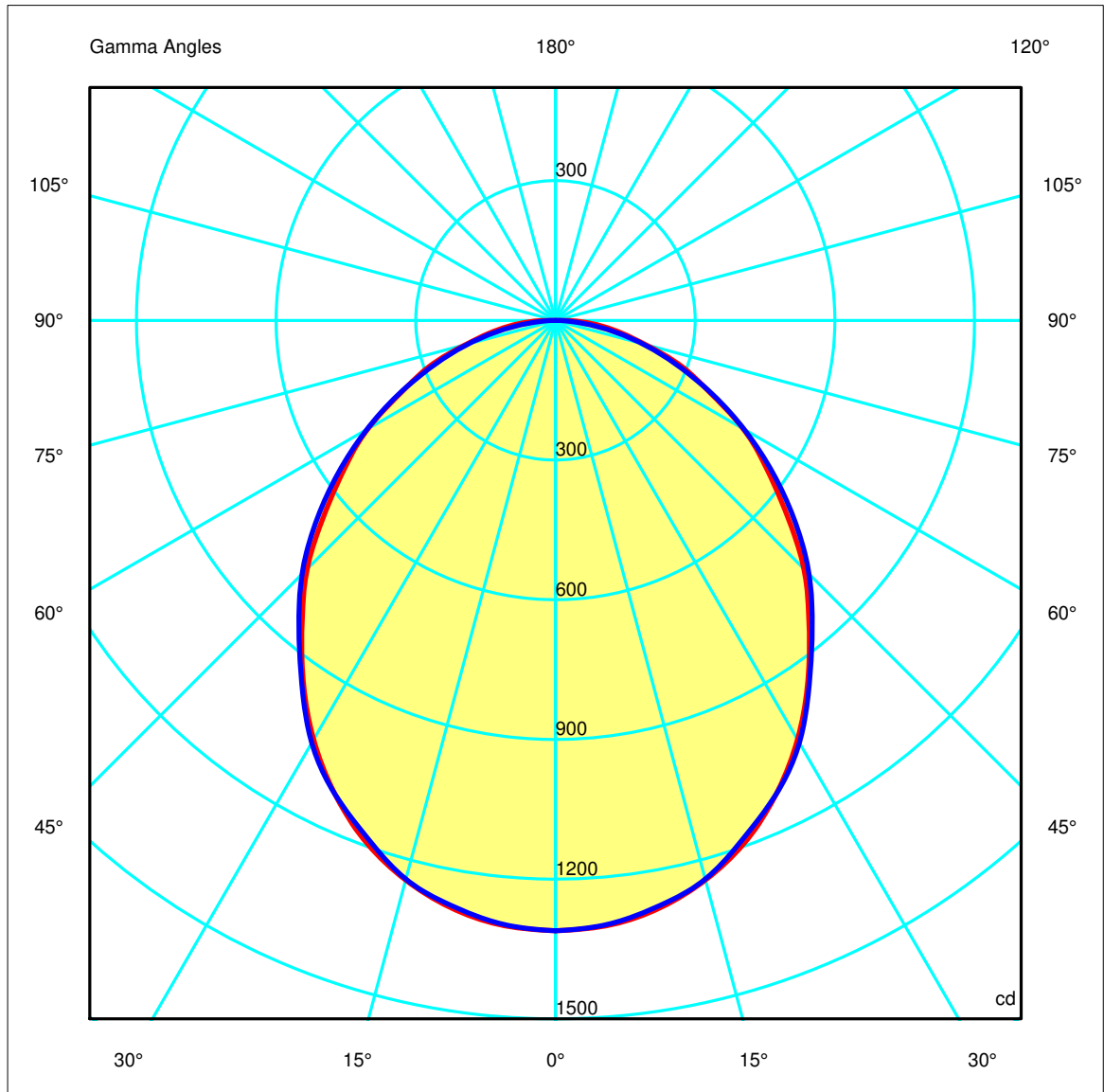
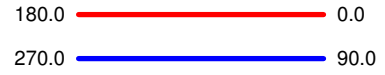
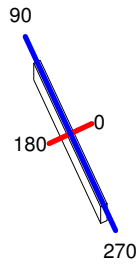
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1135mm x 50mm

C Halfplanes



**Luminaire**

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**Measurement**

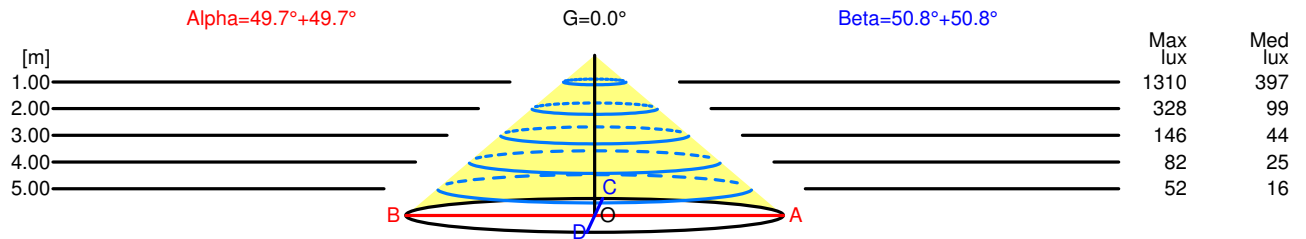
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## Width at 50.00 % of Max Intensity

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	1.18	2.36	3.53	4.71	5.89	OC	1.23	2.45	3.68	4.90	6.13
OB	1.18	2.36	3.53	4.71	5.89	OD	1.23	2.45	3.68	4.90	6.13

	Luminous Intensities [ cd ]									
	0	5	15	25	35	45	55	65	75	85
OA	1310.49	1303.86	1243.95	1121.66	944.98	754.20	552.87	365.13	199.90	78.67
OB	1310.49	1303.86	1243.95	1121.66	944.98	754.20	552.87	365.13	199.90	78.67
OC	1310.49	1301.47	1242.00	1121.90	950.48	769.76	568.21	368.66	194.11	47.63
OD	1310.49	1301.47	1242.00	1121.90	950.48	769.76	568.21	368.66	194.11	47.63



H[m]	D[m]	Max lux	Med lux	Alpha=49.7°+49.7°	G=0.0	
1.00	2.36	1310	397			
2.00	4.71	328	99			
3.00	7.07	146	44			
4.00	9.42	82	25			
5.00	11.78	52	16			

H[m]	D[m]	Max lux	Med lux	Beta=50.8°+50.8°	G=0.0	
1.00	2.45	1310	397			
2.00	4.90	328	99			
3.00	7.36	146	44			
4.00	9.81	82	25			
5.00	12.26	52	16			

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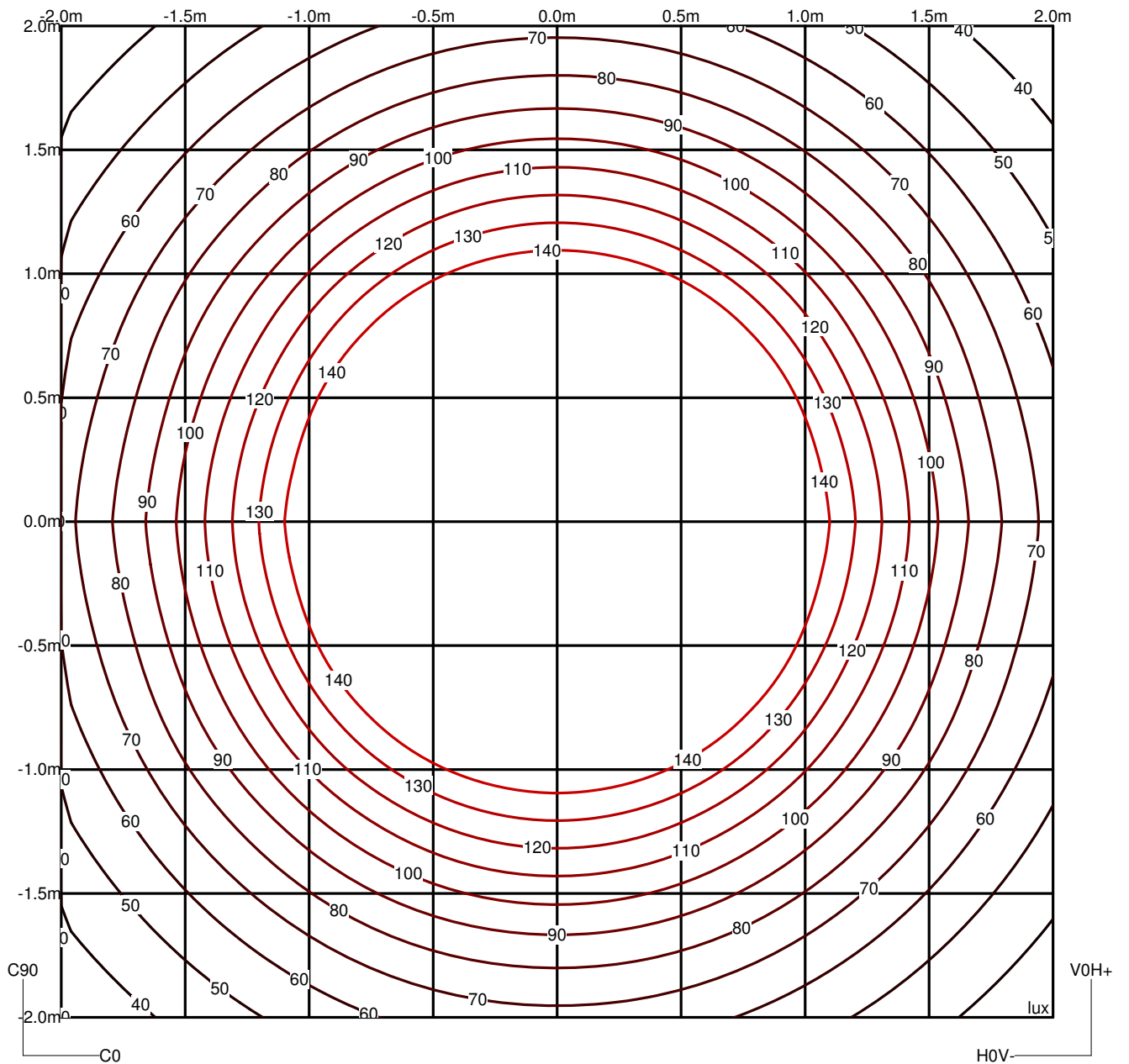
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Isolux (Floor)

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



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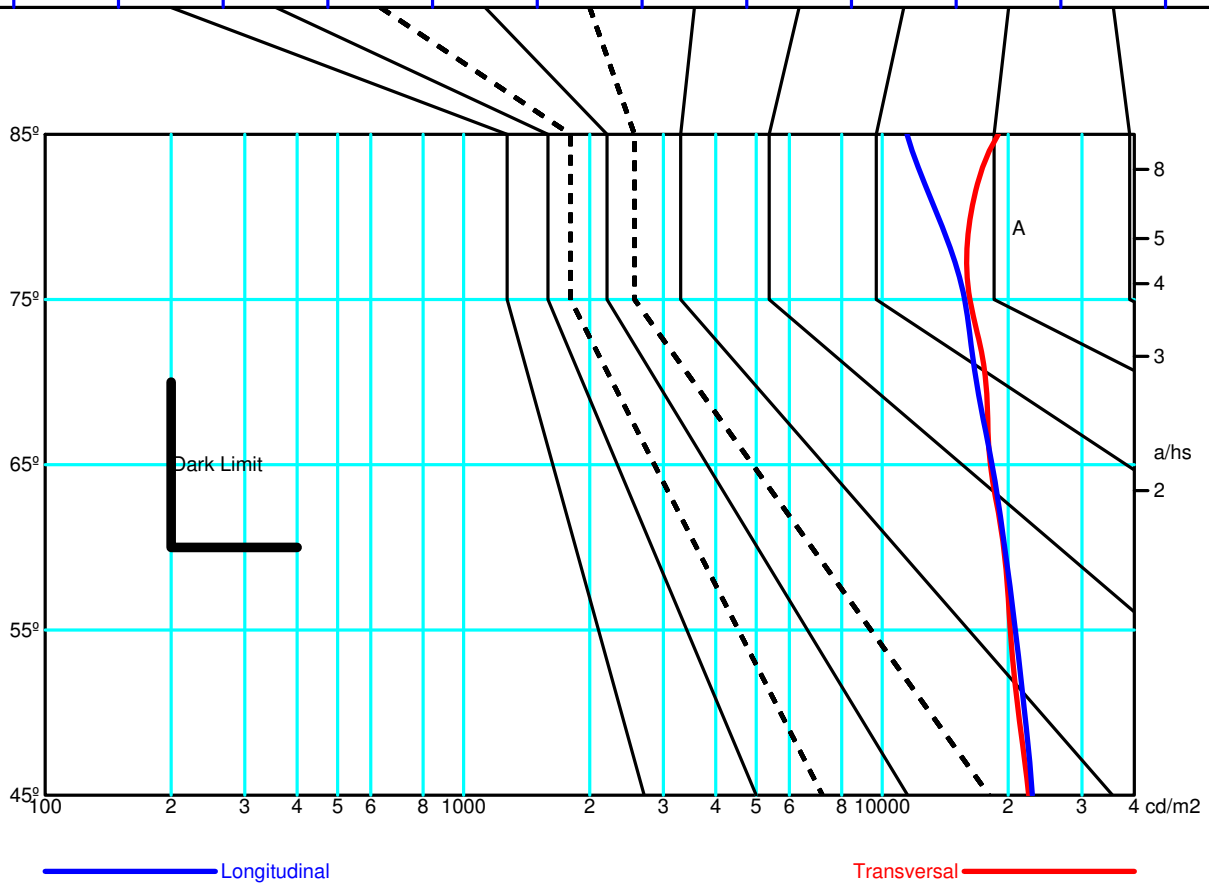
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		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	22375	21152	20220	19512	18124	17693	16202	16248	18935	---	
90.0°	22836	21920	20781	19639	18299	16789	15733	13609	11463	---	

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



**Luminaire**

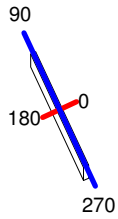
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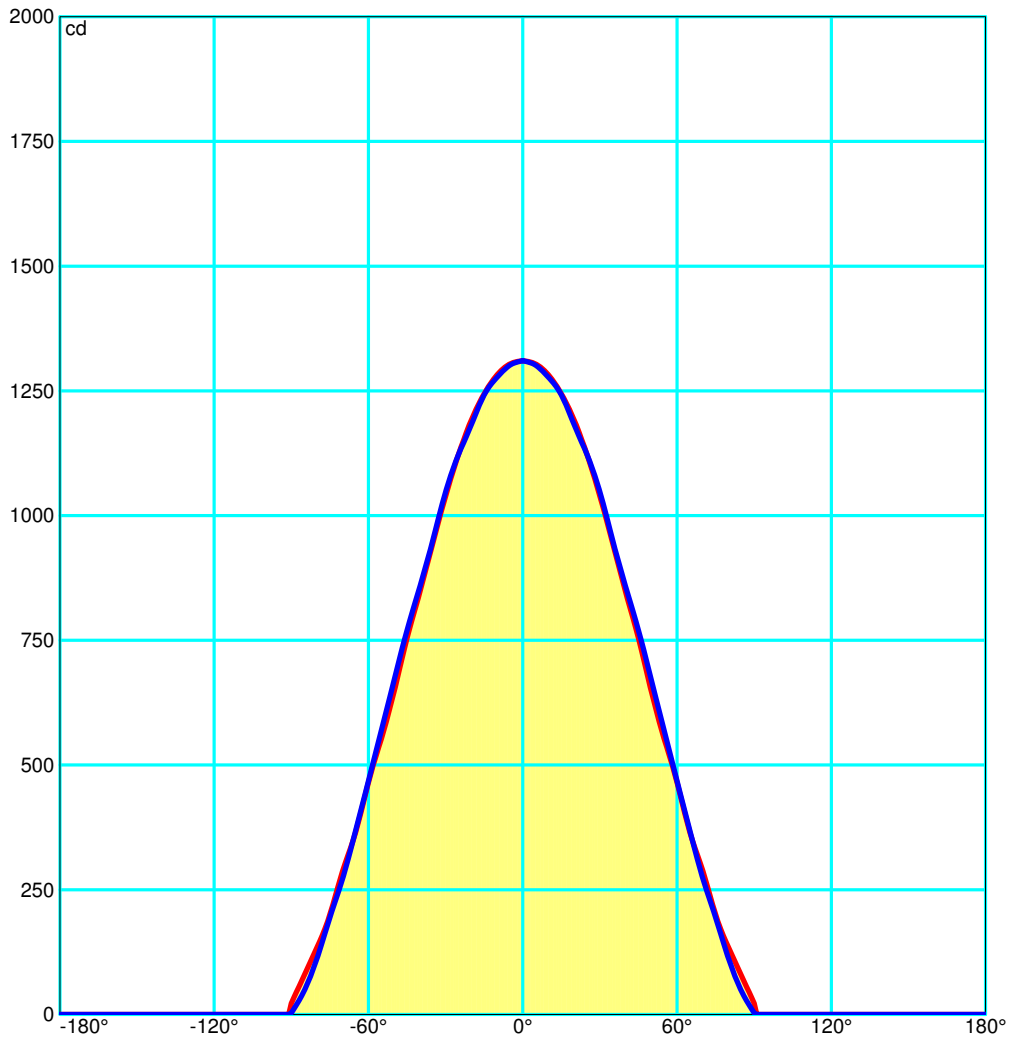
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Lamps Flux	3286.18 lm	Maximum value	1310.49 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1135mm x 50mm



C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0



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**Measurement**

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Lamps Flux	3286.18 lm	Maximum value	1310.49 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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	22.6	23.9	22.9	24.1	24.6	22.8	24.1	23.1	24.3	24.6
x=2H y=3H	24.1	25.2	24.4	25.5	26.0	24.3	25.4	24.6	25.7	26.0
x=2H y=4H	24.7	25.8	25.0	26.1	26.5	24.9	26.0	25.2	26.2	26.5
x=2H y=6H	25.2	26.3	25.6	26.5	26.9	25.3	26.3	25.6	26.6	26.9
x=2H y=8H	25.5	26.4	25.8	26.8	27.0	25.4	26.4	25.8	26.7	27.0
x=2H y=12H	25.7	26.6	26.1	26.9	27.1	25.5	26.4	25.9	26.8	27.1
x=4H y=2H	23.3	24.4	23.6	24.7	25.2	23.5	24.6	23.8	24.9	25.2
x=4H y=3H	25.0	25.9	25.4	26.2	26.7	25.2	26.1	25.5	26.4	26.7
x=4H y=4H	25.7	26.5	26.1	26.9	27.4	25.9	26.7	26.3	27.0	27.4
x=4H y=6H	26.4	27.1	26.8	27.5	27.9	26.4	27.1	26.8	27.5	27.9
x=4H y=8H	26.7	27.3	27.1	27.7	28.0	26.6	27.2	27.0	27.6	28.0
x=4H y=12H	26.9	27.5	27.4	27.9	28.1	26.7	27.3	27.1	27.7	28.1
x=8H y=4H	26.0	26.7	26.5	27.1	27.6	26.2	26.8	26.6	27.2	27.6
x=8H y=6H	26.8	27.4	27.3	27.8	28.3	26.8	27.4	27.3	27.8	28.3
x=8H y=8H	27.2	27.7	27.7	28.1	28.5	27.1	27.6	27.6	28.0	28.5
x=8H y=12H	27.6	28.0	28.1	28.4	28.7	27.3	27.7	27.8	28.2	28.7
x=12H y=4H	26.1	26.7	26.5	27.1	27.6	26.2	26.8	26.6	27.2	27.6
x=12H y=6H	26.9	27.4	27.4	27.8	28.3	26.9	27.4	27.4	27.8	28.3
x=12H y=8H	27.3	27.7	27.8	28.2	28.6	27.2	27.6	27.7	28.1	28.6



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Lamps Flux	3286.18 lm	Maximum value	1310.49 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Total Flux=3286.18 Luminaire Flux=3286.18

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	0.33	0.42	0.49	0.56	0.61	0.70	0.75	0.79	0.84	0.87	0.93	0.96
RC	5	5	5	4	4	4	4	4	4	4	4	4

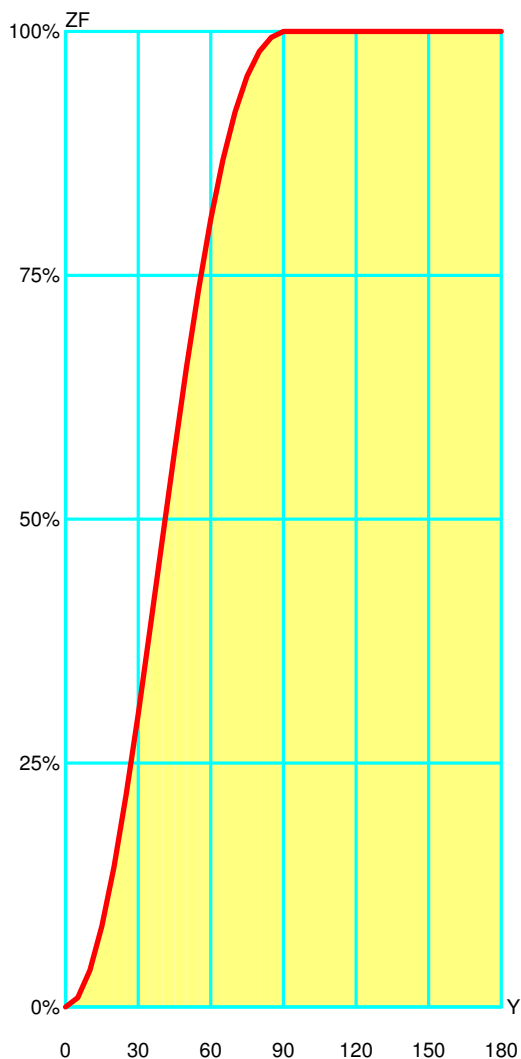
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	38	144	300	480	656	808	917	979	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

50 81 96 100 100

C.I.E.	5/5/5/4/4/4/4/4/4/4/4	LOR	99.99996 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 D	DLOR	99.99996 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.50	9.50	0.95 %	0.95 %
10°	28.08	37.58	2.81 %	3.76 %
15°	45.46	83.04	4.55 %	8.30 %
20°	60.77	143.82	6.08 %	14.38 %
25°	73.41	217.22	7.34 %	21.72 %
30°	83.02	300.24	8.30 %	30.02 %
35°	88.77	389.01	8.88 %	38.90 %
40°	90.79	479.79	9.08 %	47.98 %
45°	90.03	569.82	9.00 %	56.98 %
50°	86.51	656.33	8.65 %	65.63 %
55°	79.95	736.28	8.00 %	73.63 %
60°	71.31	807.59	7.13 %	80.76 %
65°	60.75	868.33	6.07 %	86.83 %
70°	49.03	917.36	4.90 %	91.74 %
75°	36.90	954.26	3.69 %	95.43 %
80°	25.04	979.30	2.50 %	97.93 %
85°	14.63	993.93	1.46 %	99.39 %
90°	6.07	1000.00	0.61 %	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 %

**Luminaire**

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**Measurerm.**

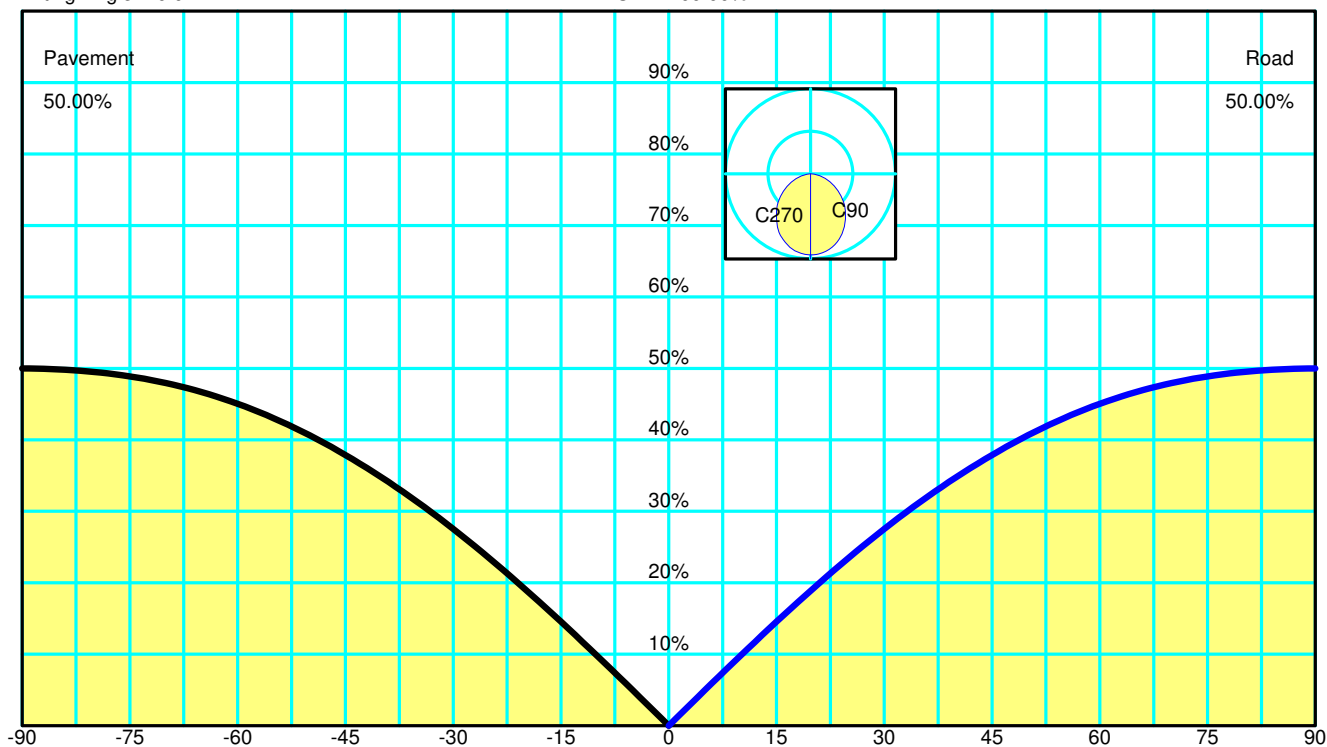
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Lamps Flux	3286.18 lm	Maximum value	1310.49 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	4.95%	Piano	5	4.95%
Piano	-10	9.81%	Piano	10	9.81%
Piano	-15	14.55%	Piano	15	14.55%
Piano	-20	19.11%	Piano	20	19.11%
Piano	-25	23.45%	Piano	25	23.45%
Piano	-30	27.53%	Piano	30	27.53%
Piano	-35	31.31%	Piano	35	31.31%
Piano	-40	34.76%	Piano	40	34.76%
Piano	-45	37.88%	Piano	45	37.88%
Piano	-50	40.64%	Piano	50	40.64%
Piano	-55	43.03%	Piano	55	43.03%
Piano	-60	45.04%	Piano	60	45.04%
Piano	-65	46.68%	Piano	65	46.68%
Piano	-70	47.95%	Piano	70	47.95%
Piano	-75	48.88%	Piano	75	48.88%
Piano	-80	49.50%	Piano	80	49.50%
Piano	-85	49.85%	Piano	85	49.85%
Piano	-90	50.00%	Piano	90	50.00%

Tilting Angle = 0.0

DLOR = 100.00%



Spread	20.3° Narrow	DLOR	99.99996 %
Throw	10.5° Short	ULOR	0.00000 %
SLI (glare)	5.6 Tight	Efficiency	99.99996 %
CIE Cutoff	Semi-Cutoff - Max: C=0.0° Gamma=0.0°	RN	0.00000 %
Iesna Cutoff	Cutoff	Luminous Intensity Class	G5
DIN5044	KB2	Glare Index	D4

IESNA Type VS Very Short Quadrilateral Symmetry

**Luminaire**

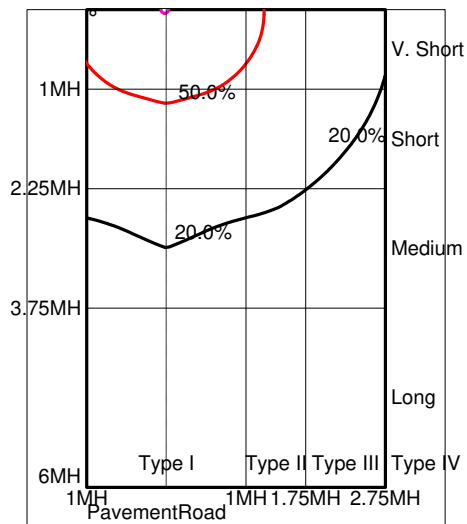
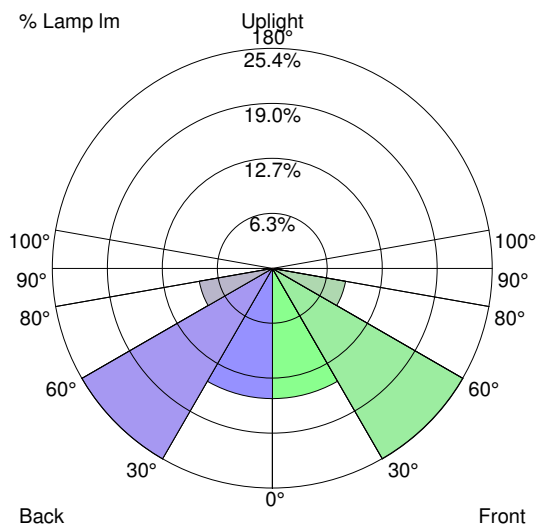
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## US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp      %Lum
FL	0° -- 30°	372.6 lm	15.0 %      15.0 %
FM	30° -- 60°	629.3 lm	25.4 %      25.4 %
FH	60° -- 80°	212.3 lm	8.6 %       8.6 %
FVH	80° -- 90°	25.2 lm	1.0 %       1.0 %
BL	0° -- 30°	372.6 lm	15.0 %      15.0 %
BM	30° -- 60°	629.3 lm	25.4 %      25.4 %
BH	60° -- 80°	212.3 lm	8.6 %       8.6 %
BVH	80° -- 90°	25.2 lm	1.0 %       1.0 %
UL	90° -- 100°	0.0 lm	0.0 %       0.0 %
UH	100° -- 180°	0.0 lm	0.0 %       0.0 %
<b>TOTALS</b>		<b>2478.9 lm</b>	<b>100.0 %      100.0 %</b>
BUG B1 U0 G1      Type VS Very Short      Quadrilateral Symmetry			

