

Luminaire

 Code 55-9873-Z5-CL
 Name DIAGO

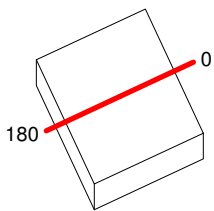
Measurement

 Code 55-9873-Z5-CL
 Name DIAGO

Luminaire Flux	286.40 lm	Luminaire Power	6.10 W	Efficacy	46.95 lm/W	Efficiency	58.01%
Lamps Flux	493.70 lm	Maximum value	105.70 cd	Position	C=0.00 G=2.00	CG	Rotosymmetrical
Rectangular Luminaire		Length	180 mm	Width	158 mm	Height	506 mm
Rectangular Luminous Area		Length	180 mm	Width	158 mm	Height	506 mm
Horizontal Luminous Area		0.028440 m2		Emitting area on Plane 180°		0.091080 m2	
Emitting area on Plane 0°		0.091080 m2		Emitting area on Plane 270°		0.079948 m2	
Emitting area on Plane 90°		0.079948 m2		Glare area at 76°		0.095255 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		21-07-2015		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		493.70 lm	
Operator				Source voltage			
Temperature		25.00 °C		Source current			
Humidity		60.00 %		Photocell			
Notes							

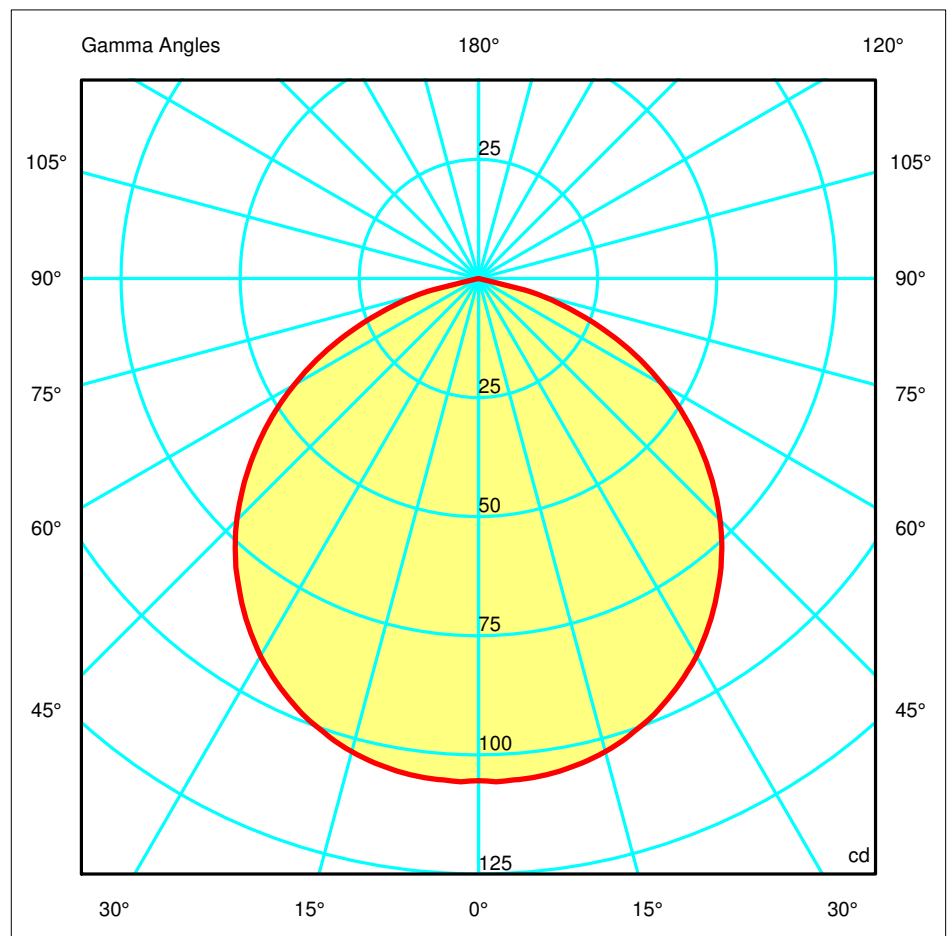
Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Name	LQL - 6.10 W			
C.I.E.	51 84 99 100 58					
F UTE	0.58 D			A40	BZ 4	
			D DIN 5040			
			B NBN			

180mm x 158mm



C Halfplanes

180.0 — 0.0

 ULOR 0.00 %
 DLOR 58.01 %
 RN 0.00 %


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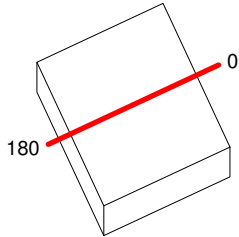
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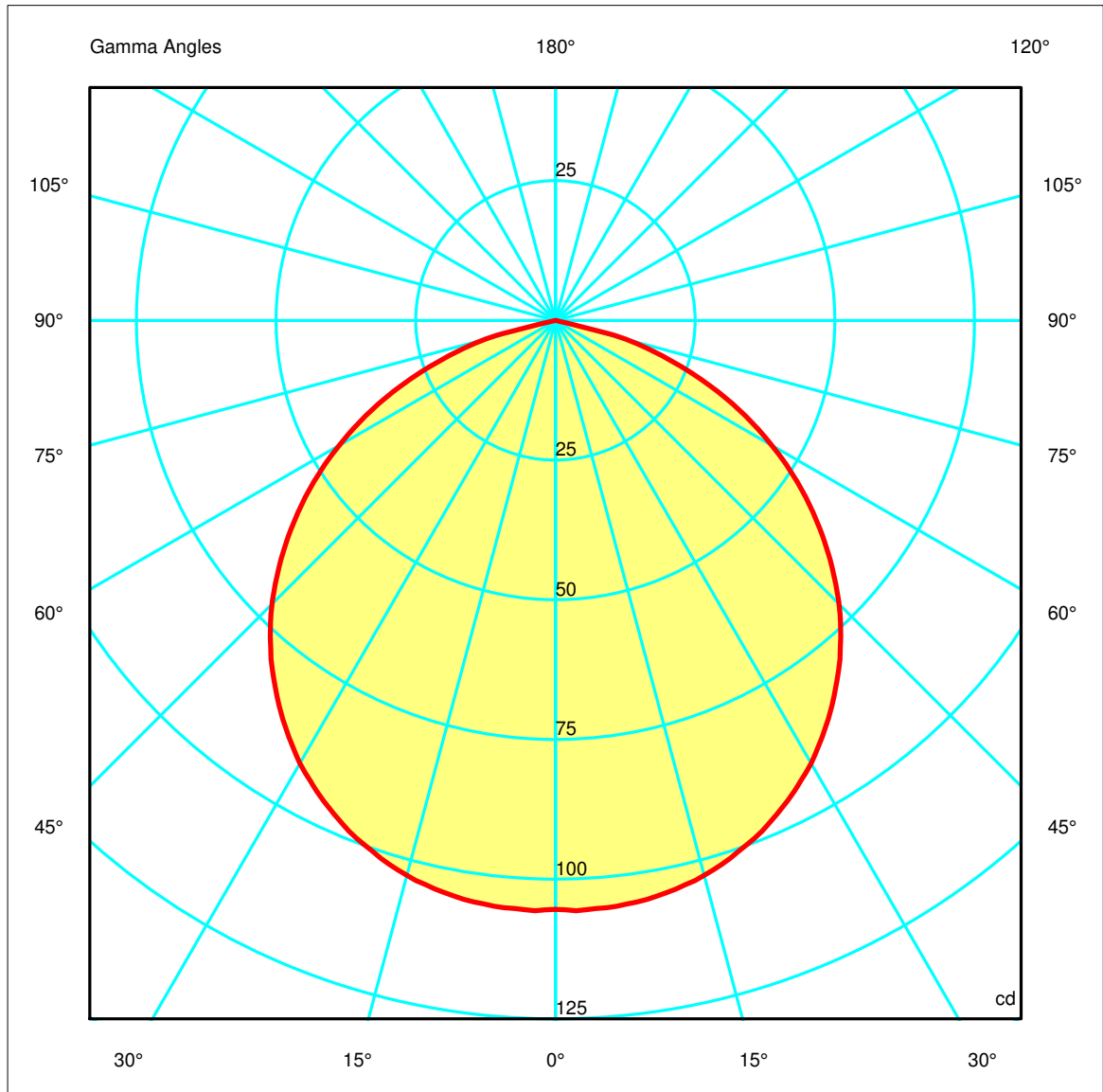
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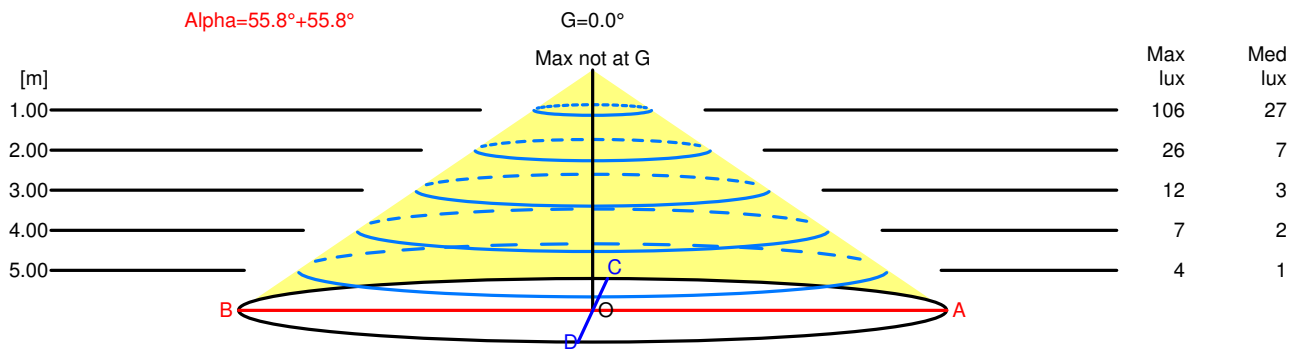
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Width at 50.00 % of Max Intensity

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	1.47	2.94	4.42	5.89	7.36	OC	1.47	2.94	4.42	5.89	7.36
OB	1.47	2.94	4.42	5.89	7.36	OD	1.47	2.94	4.42	5.89	7.36

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	105.40	105.50	102.80	96.10	85.70	71.80	54.40	34.50	13.30	0.00
OB	105.40	105.50	102.80	96.10	85.70	71.80	54.40	34.50	13.30	0.00
OC	105.40	105.50	102.80	96.10	85.70	71.80	54.40	34.50	13.30	0.00
OD	105.40	105.50	102.80	96.10	85.70	71.80	54.40	34.50	13.30	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=55.8°+55.8°	G=0.0 Max not at G	
1.00	2.94	106	27			
2.00	5.89	26	7			
3.00	8.83	12	3			
4.00	11.78	7	2			
5.00	14.72	4	1			

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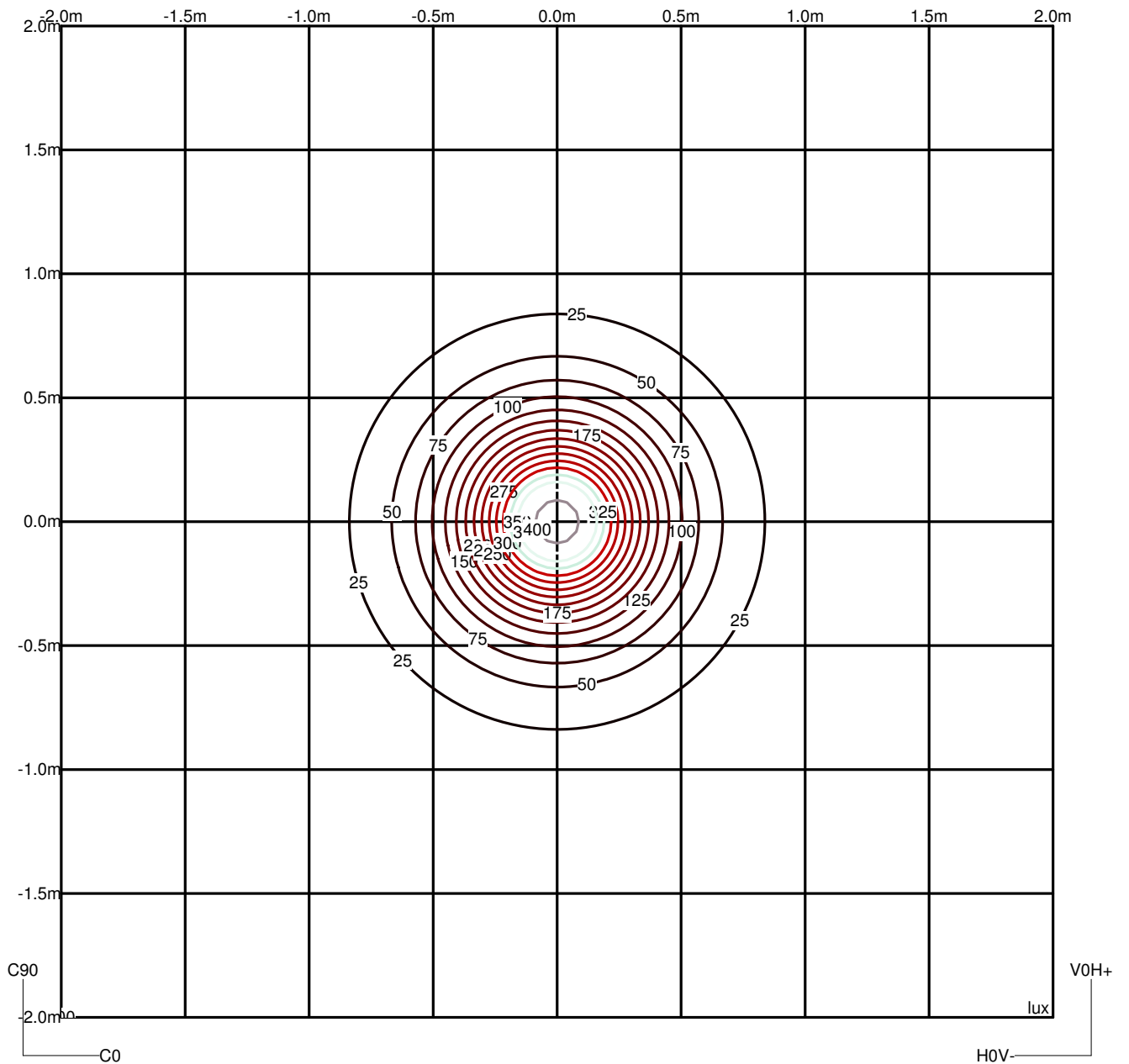
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=0.50m



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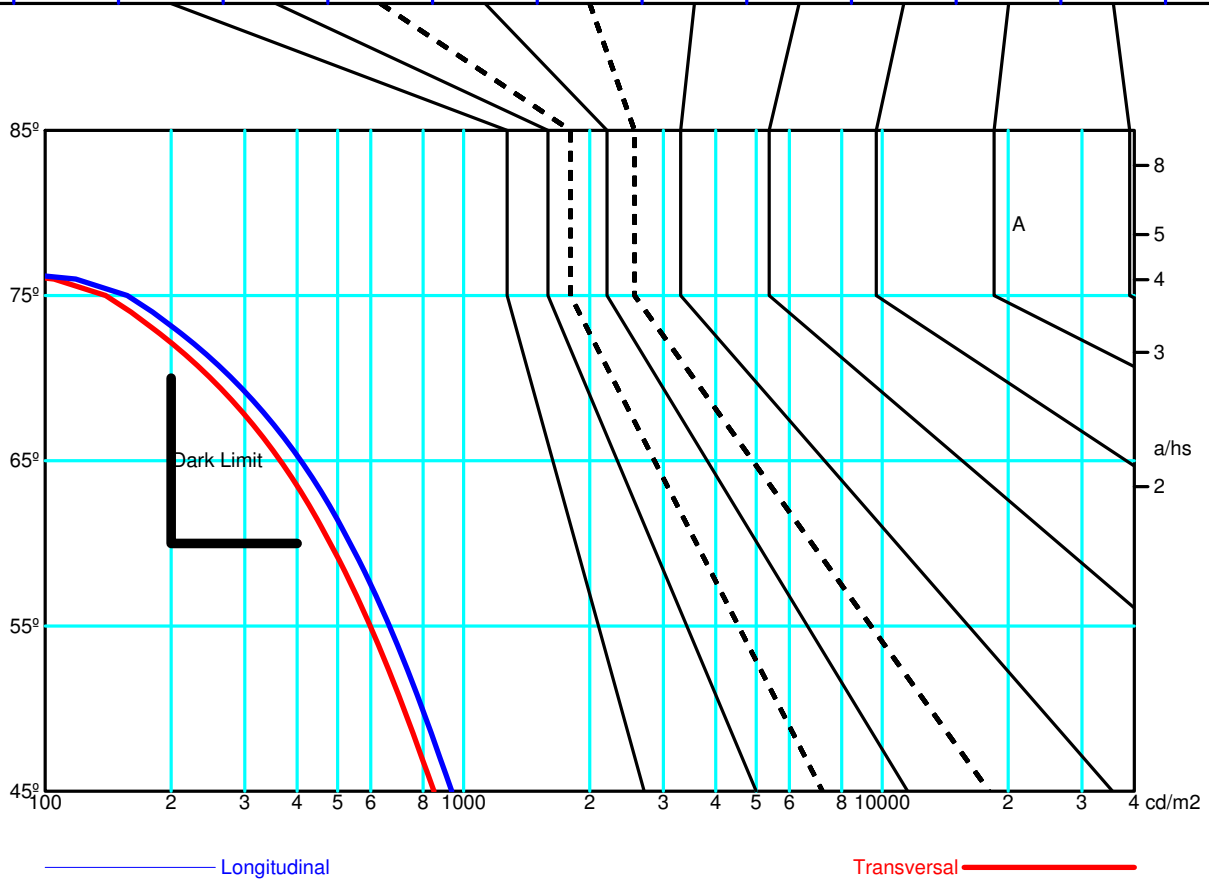
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		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	850	719	598	480	365	249	140	1	0	---	
90.0°	937	796	665	536	408	279	157	1	0	---	

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

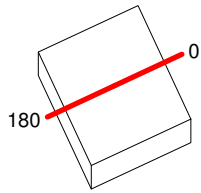
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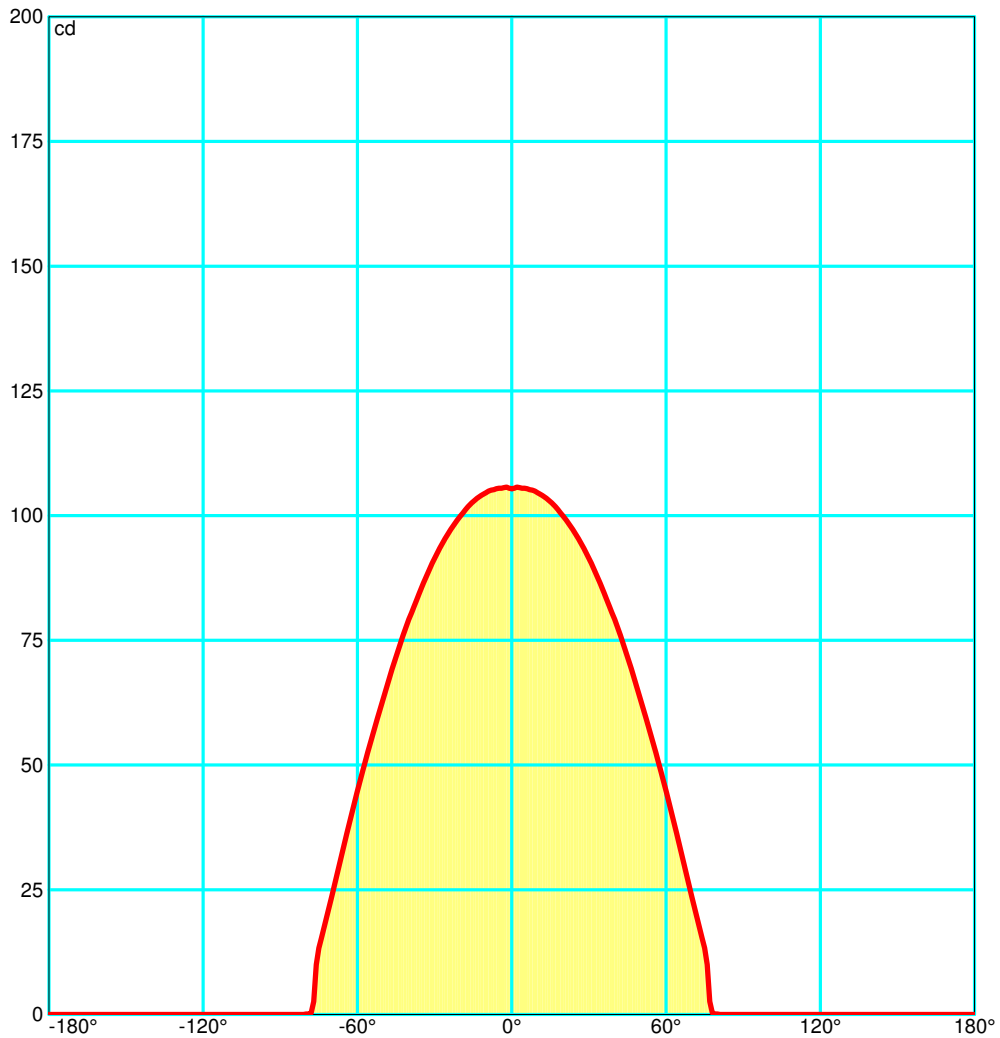
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180mm x 158mm



C Halfplanes

180.0 0.0



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Lamps Flux	493.70 lm	Maximum value	105.70 cd	Position	C=0.00 G=2.00	CG	Rotosymmetrical

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	10.4	11.6	10.7	11.9	12.3	10.6	11.8	10.8	12.1	12.3
x=2H y=3H	11.2	12.3	11.5	12.6	13.1	11.4	12.5	11.7	12.8	13.1
x=2H y=4H	11.3	12.4	11.7	12.7	13.2	11.6	12.6	11.9	12.9	13.2
x=2H y=6H	11.3	12.2	11.6	12.5	13.1	11.5	12.5	11.8	12.8	13.1
x=2H y=8H	11.2	12.2	11.6	12.5	13.1	11.5	12.4	11.8	12.7	13.1
x=2H y=12H	11.2	12.1	11.6	12.4	13.0	11.4	12.3	11.8	12.6	13.0
x=4H y=2H	10.8	11.8	11.1	12.1	12.6	10.9	12.0	11.3	12.3	12.6
x=4H y=3H	11.7	12.6	12.1	12.9	13.4	11.9	12.8	12.3	13.1	13.4
x=4H y=4H	11.9	12.7	12.3	13.0	13.6	12.1	12.9	12.5	13.2	13.6
x=4H y=6H	11.9	12.5	12.3	12.9	13.5	12.1	12.7	12.5	13.1	13.5
x=4H y=8H	11.8	12.5	12.2	12.8	13.5	12.0	12.6	12.4	13.0	13.5
x=4H y=12H	11.8	12.4	12.2	12.7	13.4	12.0	12.5	12.4	12.9	13.4
x=8H y=4H	11.9	12.6	12.4	12.9	13.6	12.1	12.7	12.5	13.1	13.6
x=8H y=6H	11.9	12.4	12.3	12.8	13.4	12.1	12.6	12.5	13.0	13.4
x=8H y=8H	11.8	12.3	12.3	12.7	13.4	12.0	12.5	12.5	12.9	13.4
x=8H y=12H	11.8	12.2	12.3	12.6	13.3	12.0	12.3	12.5	12.8	13.3
x=12H y=4H	11.9	12.5	12.3	12.9	13.5	12.1	12.6	12.5	13.0	13.5
x=12H y=6H	11.8	12.3	12.3	12.7	13.4	12.0	12.5	12.5	12.9	13.4
x=12H y=8H	11.8	12.2	12.3	12.6	13.3	12.0	12.3	12.5	12.8	13.3

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Lamps Flux	493.70 lm	Maximum value	105.70 cd	Position	C=0.00 G=2.00	CG	Rotosymmetrical

Total Flux=493.70 Luminaire Flux=286.40

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	0.57	0.63	0.72	0.77	0.81	0.86	0.89	0.94	0.97
RC	5	5	4	4	4	4	4	4	3	3	3	3

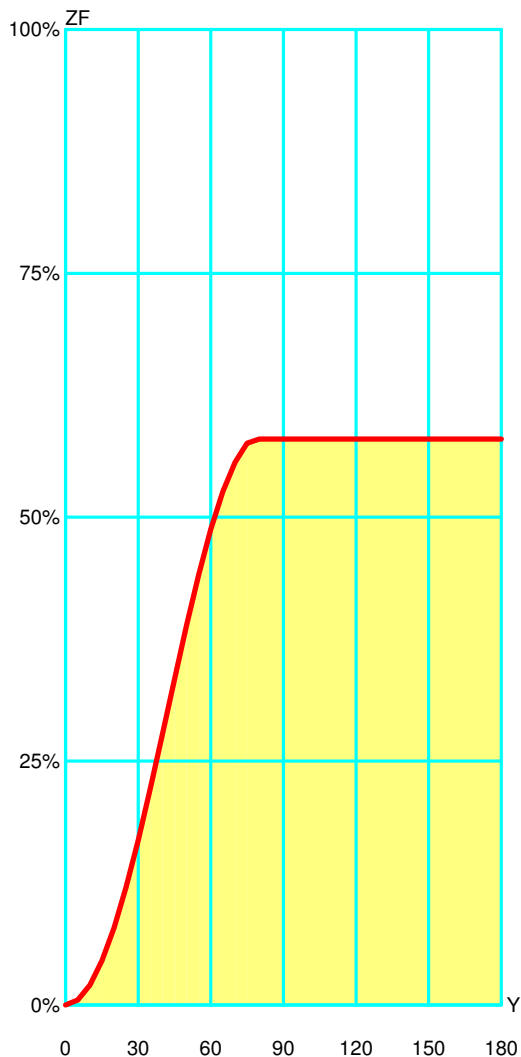
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	20	79	169	277	389	488	556	580	580	580	580	580	580	580	580	580	580	580

CIE Flux Codes

51 84 99 100 58

C.I.E.	5/5/4/4/4/4/4/3/3/3/3	LOR	58.01082 %
D DIN 5040	A40	ULOR	0.00000 %
F UTE	0.58 D	DLOR	58.01082 %
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°	5.11	5.11	0.88 %	0.88 %
10°	15.23	20.34	2.63 %	3.51 %
15°	24.93	45.27	4.30 %	7.80 %
20°	33.84	79.11	5.83 %	13.64 %
25°	41.67	120.78	7.18 %	20.82 %
30°	48.10	168.88	8.29 %	29.11 %
35°	52.84	221.72	9.11 %	38.22 %
40°	55.69	277.40	9.60 %	47.82 %
45°	56.60	334.01	9.76 %	57.58 %
50°	55.28	389.29	9.53 %	67.11 %
55°	51.83	441.12	8.93 %	76.04 %
60°	46.41	487.53	8.00 %	84.04 %
65°	39.02	526.55	6.73 %	90.77 %
70°	29.84	556.39	5.14 %	95.91 %
75°	19.46	575.85	3.35 %	99.27 %
80°	4.25	580.10	0.73 %	100.00 %
85°	0.01	580.11	0.00 %	100.00 %
90°	0.00	580.11	0.00 %	100.00 %
95°	0.00	580.11	0.00 %	100.00 %
100°	0.00	580.11	0.00 %	100.00 %
105°	0.00	580.11	0.00 %	100.00 %
110°	0.00	580.11	0.00 %	100.00 %
115°	0.00	580.11	0.00 %	100.00 %
120°	0.00	580.11	0.00 %	100.00 %
125°	0.00	580.11	0.00 %	100.00 %
130°	0.00	580.11	0.00 %	100.00 %
135°	0.00	580.11	0.00 %	100.00 %
140°	0.00	580.11	0.00 %	100.00 %
145°	0.00	580.11	0.00 %	100.00 %
150°	0.00	580.11	0.00 %	100.00 %
155°	0.00	580.11	0.00 %	100.00 %
160°	0.00	580.11	0.00 %	100.00 %
165°	0.00	580.11	0.00 %	100.00 %
170°	0.00	580.11	0.00 %	100.00 %
175°	0.00	580.11	0.00 %	100.00 %
180°	0.00	580.11	0.00 %	100.00 %

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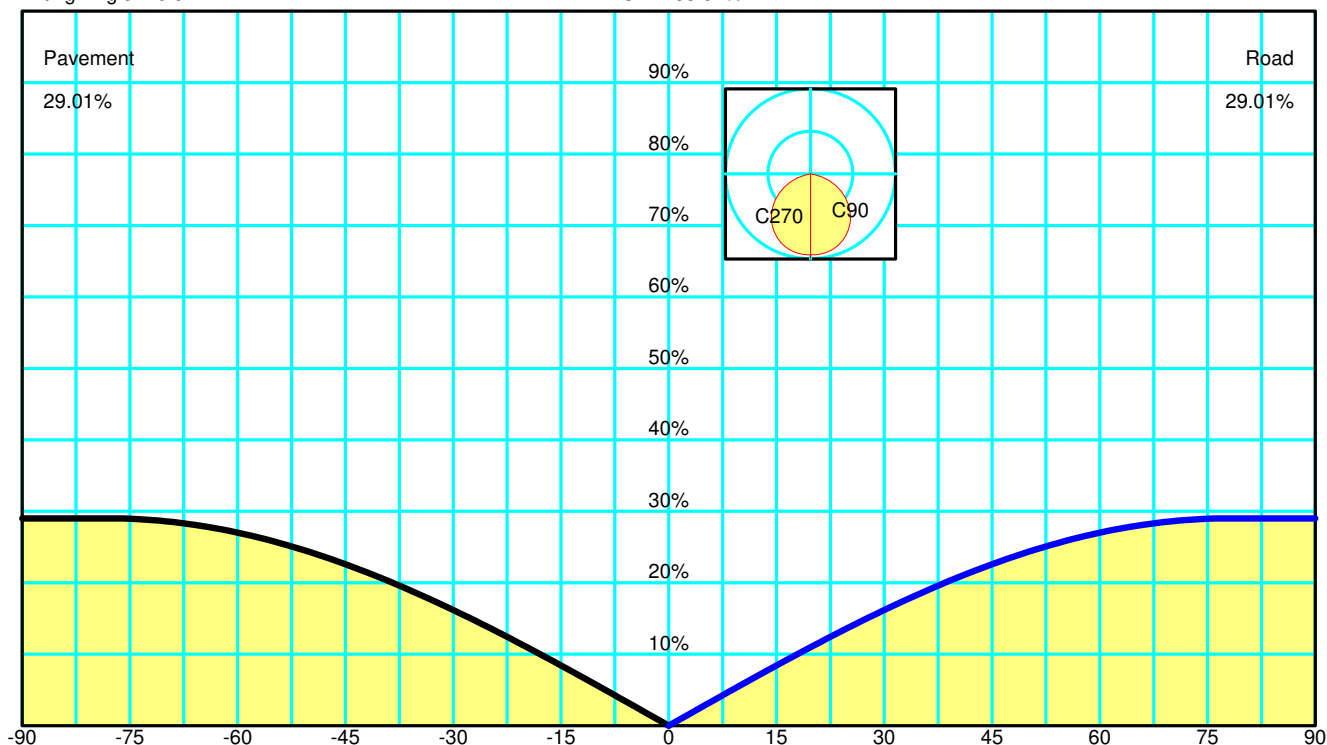
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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	2.84%	Piano	5	2.84%
Piano	-10	5.66%	Piano	10	5.66%
Piano	-15	8.43%	Piano	15	8.43%
Piano	-20	11.12%	Piano	20	11.12%
Piano	-25	13.72%	Piano	25	13.72%
Piano	-30	16.19%	Piano	30	16.19%
Piano	-35	18.51%	Piano	35	18.51%
Piano	-40	20.65%	Piano	40	20.65%
Piano	-45	22.59%	Piano	45	22.59%
Piano	-50	24.31%	Piano	50	24.31%
Piano	-55	25.79%	Piano	55	25.79%
Piano	-60	27.01%	Piano	60	27.01%
Piano	-65	27.95%	Piano	65	27.95%
Piano	-70	28.61%	Piano	70	28.61%
Piano	-75	28.96%	Piano	75	28.96%
Piano	-80	29.01%	Piano	80	29.01%
Piano	-85	29.01%	Piano	85	29.01%
Piano	-90	29.01%	Piano	90	29.01%

Tilting Angle = 0.0

DLOR = 58.01%


 Spread 26.2° Narrow
 Throw 13.1° Short

CIE Cutoff Cutoff - Max: C=0.0° Gamma=2.0°

Iesna Cutoff Full Cutoff

DIN5044 KB1

IESNA Type V Very Short Quadrilateral Symmetry

DLOR 58.01082 %

ULOR 0.00000 %

Efficiency 58.01082 %

RN 0.00000 %

Luminous Intensity Class G6

Glare Index D6

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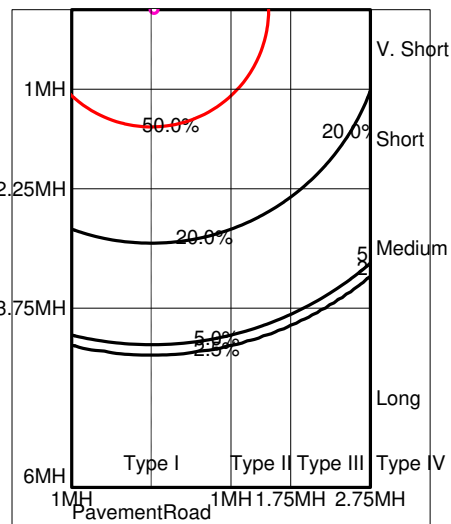
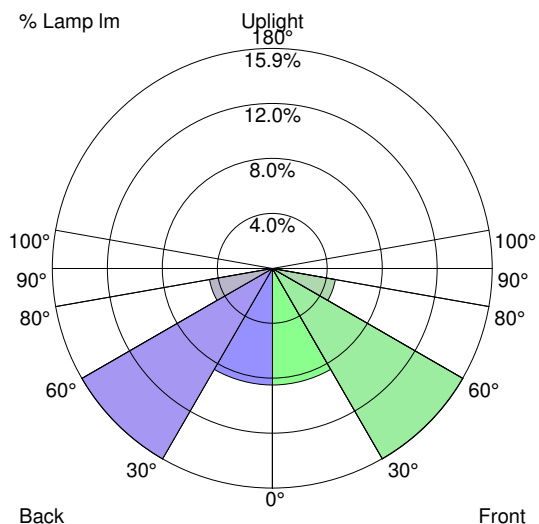
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US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	41.7 lm	8.4 %	14.6 %
FM	30° -- 60°	78.7 lm	15.9 %	27.5 %
FH	60° -- 80°	22.8 lm	4.6 %	8.0 %
FVH	80° -- 90°	0.0 lm	0.0 %	0.0 %
BL	0° -- 30°	41.7 lm	8.4 %	14.6 %
BM	30° -- 60°	78.7 lm	15.9 %	27.5 %
BH	60° -- 80°	22.8 lm	4.6 %	8.0 %
BVH	80° -- 90°	0.0 lm	0.0 %	0.0 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		286.4 lm	58.0 %	100.0 %
		BUG B0 U0 G0	Type V Very Short	Quadrilateral Symmetry