

Luminaire

Code M22847-5-O-E
Name M22 845 mm 3000K CRI90 SCHERMO OPALE

Measurem.

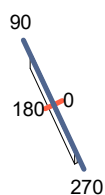
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Luminaire Flux	1485 lm	Luminaire Power	17.2 W	Efficacy	86.314 lm/W	Efficiency	100.00%
Source Flux	1485 lm	Maximum value	387.24 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	845 mm	Width	22 mm	Height	25 mm
Rectangular Luminous Area		Length	840 mm	Width	22 mm	Height	1 mm
Horizontal Luminous Area		0.018480 m2		Emitting area on Plane 180°		0.000840 m2	
Emitting area on Plane 0°		0.000840 m2		Emitting area on Plane 270°		0.000022 m2	
Emitting area on Plane 90°		0.000022 m2		Glare area at 76°		0.005286 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		18-07-2018		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		1485 lm	
Operator		1.01.56		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources

Line		Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
				1484.60	17.20	1
C.I.E.	49 80 96 100 100		D DIN 5040	A30		
F UTE	1.00 E		B NBN	BZ 4		

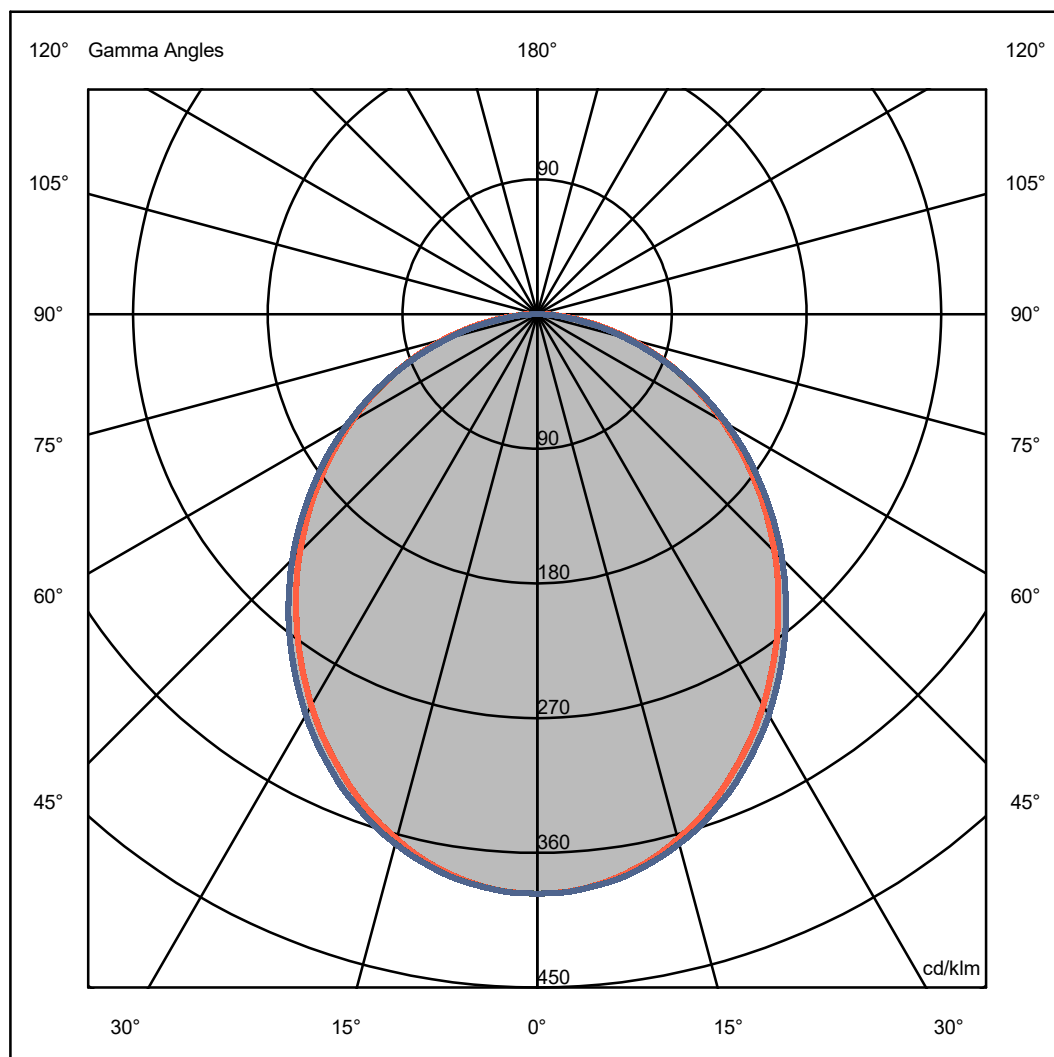
845mm x 22mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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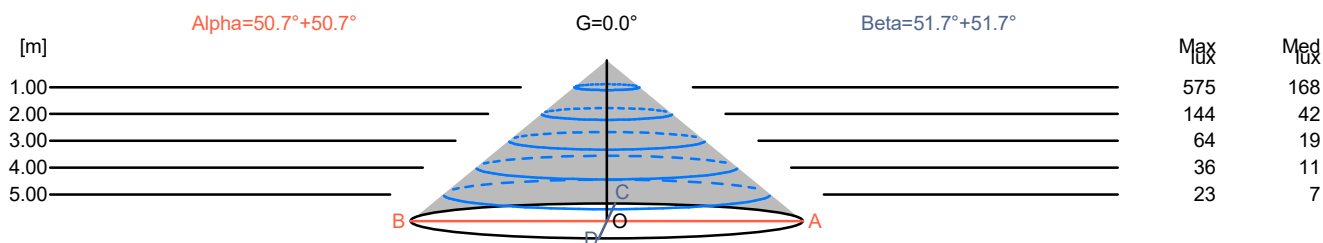
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Width at 50.00 % of Max Intensity

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	1.22	2.44	3.66	4.88	6.10	OC	1.26	2.53	3.79	5.06	6.32
OB	1.22	2.44	3.66	4.88	6.10	OD	1.26	2.53	3.79	5.06	6.32

	0	5	15	25	35	45	55	65	75	85
OA	574.90	570.92	539.01	482.44	411.03	332.73	252.34	172.42	94.90	27.84
OB	574.90	570.92	539.01	482.44	411.03	332.73	252.34	172.42	94.90	27.84
OC	574.90	571.24	543.94	491.97	422.61	343.68	259.23	174.05	90.10	20.43
OD	574.90	571.24	543.94	491.97	422.61	343.68	259.23	174.05	90.10	20.43



H[m]	D[m]	Max lux	Med lux	$\alpha = 50.7^\circ + 50.7^\circ$	$G = 0.0$	
1.00	2.44	575	168			
2.00	4.88	144	42			
3.00	7.32	64	19			
4.00	9.76	36	11			
5.00	12.20	23	7			

H[m]	D[m]	Max lux	Med lux	$\beta = 51.7^\circ + 51.7^\circ$	$G = 0.0$	
1.00	2.53	575	168			
2.00	5.06	144	42			
3.00	7.58	64	19			
4.00	10.11	36	11			
5.00	12.64	23	7			

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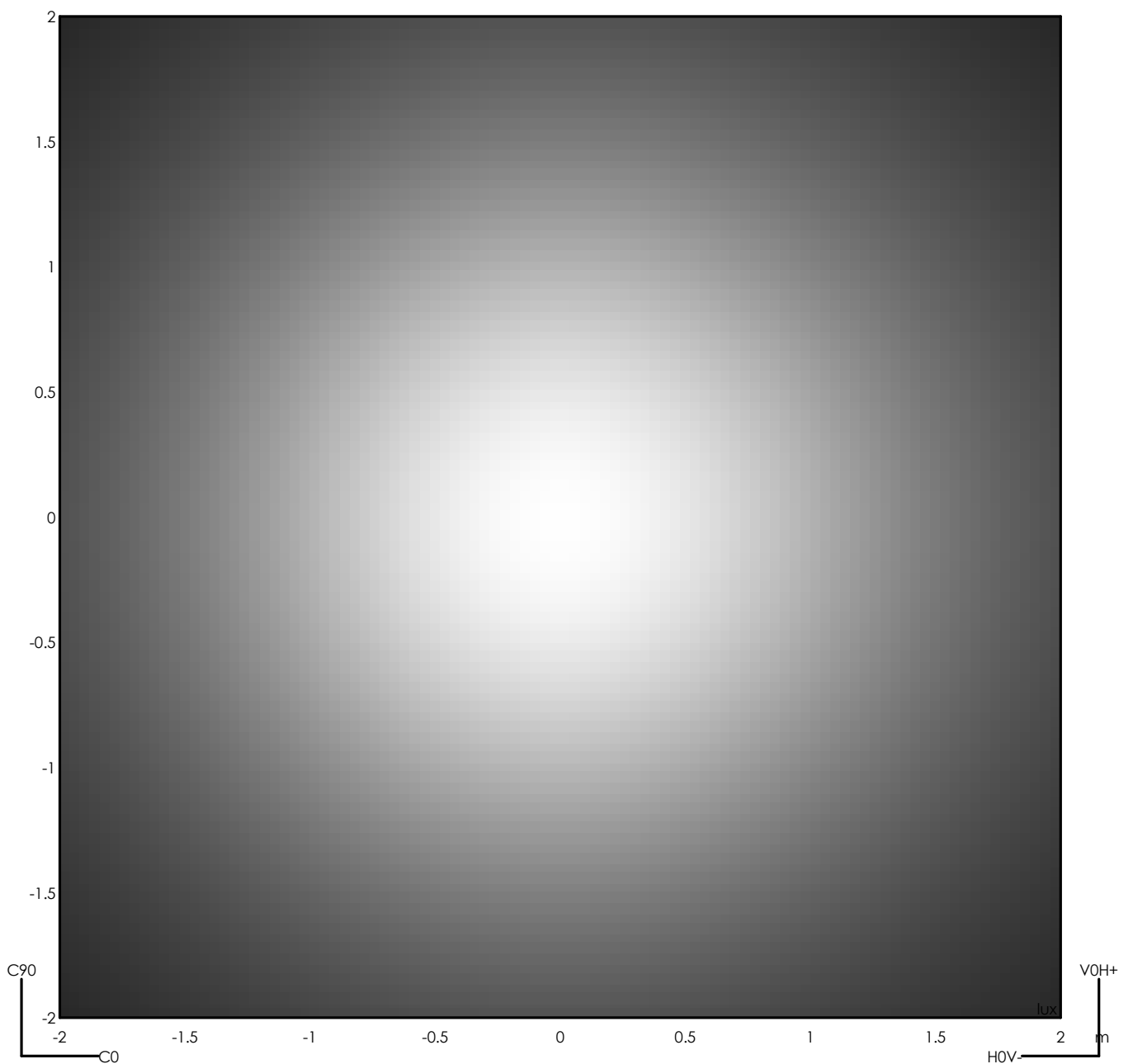
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Isolux (Floor)

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



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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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	23.3	24.6	23.6	24.8	25.1	23.6	24.9	23.9	25.1	25.3
x=2H y=3H	24.8	26.0	25.1	26.2	26.5	25.1	26.2	25.4	26.5	26.8
x=2H y=4H	25.4	26.5	25.7	26.8	27.1	25.6	26.8	26.0	27.0	27.3
x=2H y=6H	25.8	26.9	26.2	27.2	27.5	26.0	27.1	26.4	27.4	27.7
x=2H y=8H	26.0	27.0	26.3	27.3	27.6	26.2	27.2	26.5	27.5	27.8
x=2H y=12H	26.1	27.0	26.4	27.3	27.7	26.2	27.2	26.6	27.5	27.8
x=4H y=2H	24.0	25.1	24.3	25.4	25.7	24.2	25.3	24.5	25.6	25.9
x=4H y=3H	25.7	26.6	26.0	26.9	27.3	25.9	26.8	26.3	27.2	27.5
x=4H y=4H	26.4	27.2	26.8	27.6	27.9	26.6	27.4	27.0	27.8	28.1
x=4H y=6H	26.9	27.7	27.4	28.0	28.5	27.1	27.8	27.5	28.2	28.6
x=4H y=8H	27.1	27.8	27.6	28.2	28.6	27.3	28.0	27.7	28.4	28.8
x=4H y=12H	27.3	27.9	27.7	28.3	28.7	27.4	28.0	27.8	28.4	28.8
x=8H y=4H	26.7	27.4	27.1	27.8	28.2	26.9	27.5	27.3	27.9	28.4
x=8H y=6H	27.4	27.9	27.8	28.4	28.8	27.5	28.1	28.0	28.5	28.9
x=8H y=8H	27.6	28.1	28.1	28.6	29.1	27.8	28.2	28.2	28.7	29.2
x=8H y=12H	27.8	28.3	28.3	28.7	29.2	27.9	28.3	28.4	28.8	29.3
x=12H y=4H	26.7	27.3	27.1	27.7	28.2	26.9	27.5	27.3	27.9	28.3
x=12H y=6H	27.4	27.9	27.9	28.4	28.9	27.6	28.1	28.1	28.5	29.0
x=12H y=8H	27.7	28.1	28.2	28.6	29.1	27.8	28.2	28.3	28.7	29.2

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	45°	50°	55°	60°	Average Luminance		75°	80°	85°	
0.0°	24356	23375	22355	21296	65°	20116	18739	16964	14675	11375
90.0°	26270	25340	24414	23402	70°	22229	20772	18755	16057	12512

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

