



## Onyx Big

Leds C4 Team

Instruções de montagem  
3D File  
Dados fotométricos  
Revit



## TC-0524-NEG

Projetore IP20 Onyx Big LED 26.3W 3000K Preto 3071lm



### CARACTERÍSTICAS TÉCNICAS

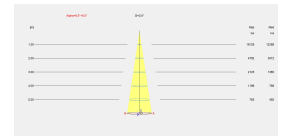
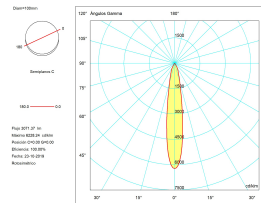


Potência (W) : 26.3W  
Consumo total da luminária (W) : 30W  
Lúmenes reais : 3071  
Lm/W reais : 102  
Temperatura da cor : Branco quente - 3000K  
Ângulo Óticas / Refletor : SPOT 17°  
Material da estrutura : Alumínio  
Acabamento estrutura : Preto  
Material do difusor : Vidro  
Acabamento difusor : Transparente  
Vida útil : 36.000h L70B30

Equipamento incluído : Sim, eletrônico  
Tensão / Frequência : 100-277V/50-60Hz  
Garantia : 5 Anos  
Temperatura máx. : 25°C  
Eficiência energética : LED A++

### CARACTERÍSTICAS LUMINOTÉCNICAS

Fonte de luz: LED  
CRI: 90  
MacAdam steps: 3  
Risco fotobiológico: RG1  
UGR  
UGR Transversal: 11.9  
UGR Longitudinal: 11.9



### LOGÍSTICA

Embalagem: 125mm x 170mm x 240mm





**Luminaire**

Code TC-0524-NEG  
Name ONYX

**Measurem.**

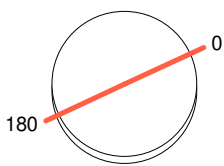
Code TC-0524-NEG  
Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	100 mm	Height	120 mm		
Round Luminous Area		Diam.	85 mm	Height	0 mm		
Horizontal Luminous Area		0.005675 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.001373 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		23-10-2019		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		3071.37 lm	
Operator		qualitat		Rated Voltage			
Temperature		25.00 °C		Rated Current			
Humidity		60.00 %		Photocell			
Notes							

**Luminaire Lamps**

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	TC-0524-NEG	TC-0524-BLA	3071.37	30.00	1
C.I.E.	99 100 100 100 100	D DIN 5040	A60		
F UTE	--	B NBN	BZ 1		

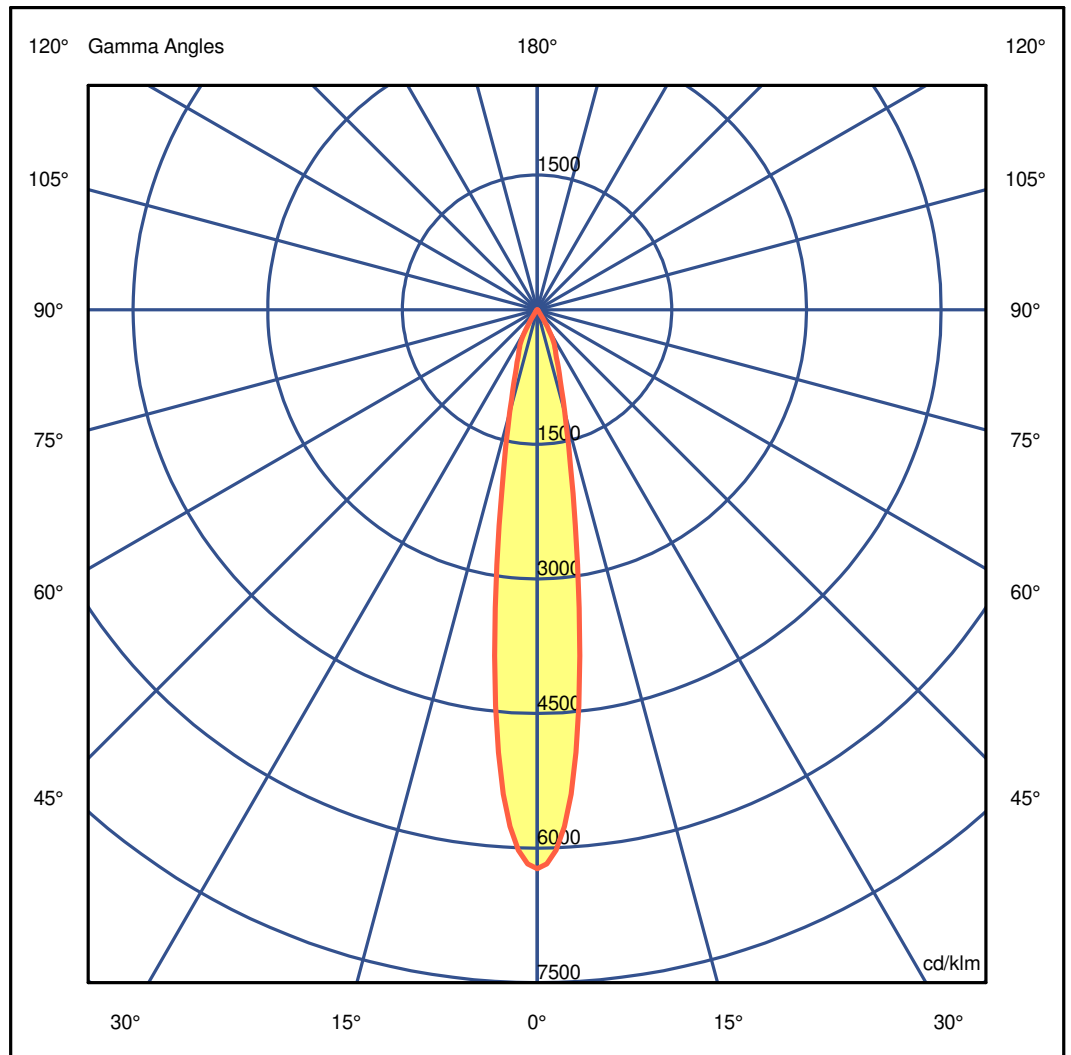
Diam=100mm



C Halfplanes

180.0 — 0.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %





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

	C 0.00	C 0.00
G 0.0	6228.24	G 46.0 5.24
G 1.0	6175.51	G 47.0 4.88
G 2.0	6025.81	G 48.0 4.57
G 3.0	5766.10	G 49.0 4.29
G 4.0	5409.12	G 50.0 4.06
G 5.0	4950.56	G 51.0 3.84
G 6.0	4439.29	G 52.0 3.65
G 7.0	3885.04	G 53.0 3.51
G 8.0	3356.15	G 54.0 3.42
G 9.0	2876.14	G 55.0 3.35
G 10.0	2441.10	G 56.0 3.27
G 11.0	2084.63	G 57.0 3.15
G 12.0	1787.91	G 58.0 3.04
G 13.0	1548.03	G 59.0 2.98
G 14.0	1342.92	G 60.0 2.96
G 15.0	1180.48	G 61.0 3.00
G 16.0	1042.27	G 62.0 3.05
G 17.0	928.78	G 63.0 3.04
G 18.0	830.98	G 64.0 2.83
G 19.0	749.74	G 65.0 2.55
G 20.0	682.58	G 66.0 2.05
G 21.0	624.52	G 67.0 1.70
G 22.0	575.26	G 68.0 1.49
G 23.0	532.20	G 69.0 1.33
G 24.0	497.05	G 70.0 1.21
G 25.0	465.91	G 71.0 1.10
G 26.0	436.08	G 72.0 1.01
G 27.0	400.10	G 73.0 0.92
G 28.0	355.95	G 74.0 0.85
G 29.0	308.27	G 75.0 0.79
G 30.0	259.00	G 76.0 0.73
G 31.0	210.97	G 77.0 0.67
G 32.0	162.88	G 78.0 0.58
G 33.0	117.80	G 79.0 0.48
G 34.0	78.80	G 80.0 0.37
G 35.0	48.67	G 81.0 0.29
G 36.0	27.90	G 82.0 0.21
G 37.0	19.02	G 83.0 0.15
G 38.0	15.10	G 84.0 0.11
G 39.0	11.80	G 85.0 0.09
G 40.0	9.99	G 86.0 0.07
G 41.0	8.82	G 87.0 0.05
G 42.0	7.72	G 88.0 0.04
G 43.0	6.76	G 89.0 0.02
G 44.0	6.21	G 90.0 0.01
G 45.0	5.68	



**Luminaire**

Code TC-0524-NEG  
Name ONYX

**Measur.**

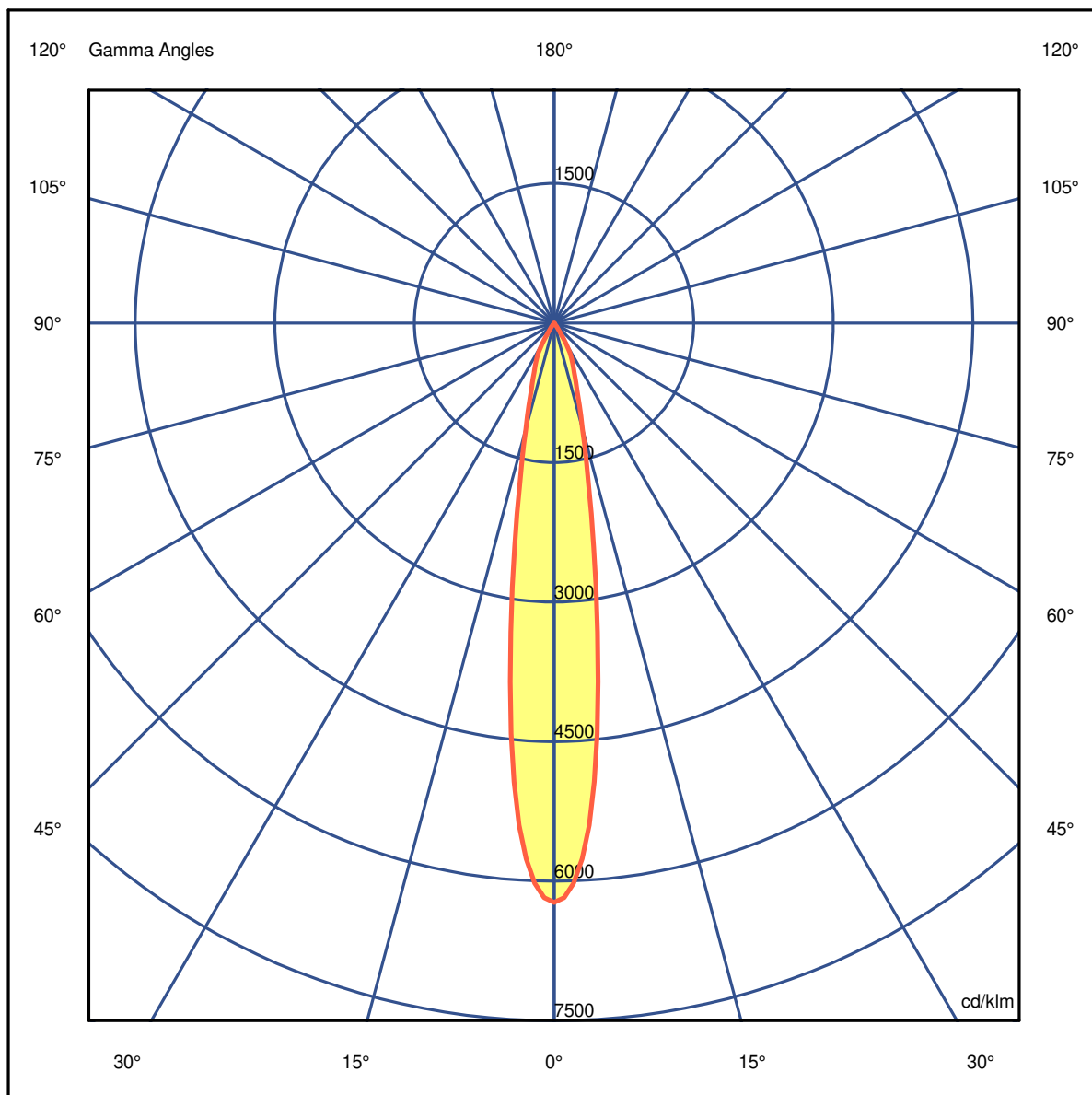
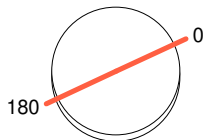
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Diam=100mm

C Halfplanes

180.0  0.0





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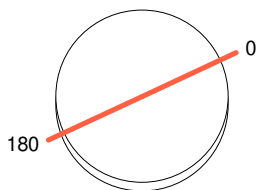
**Measurem.**

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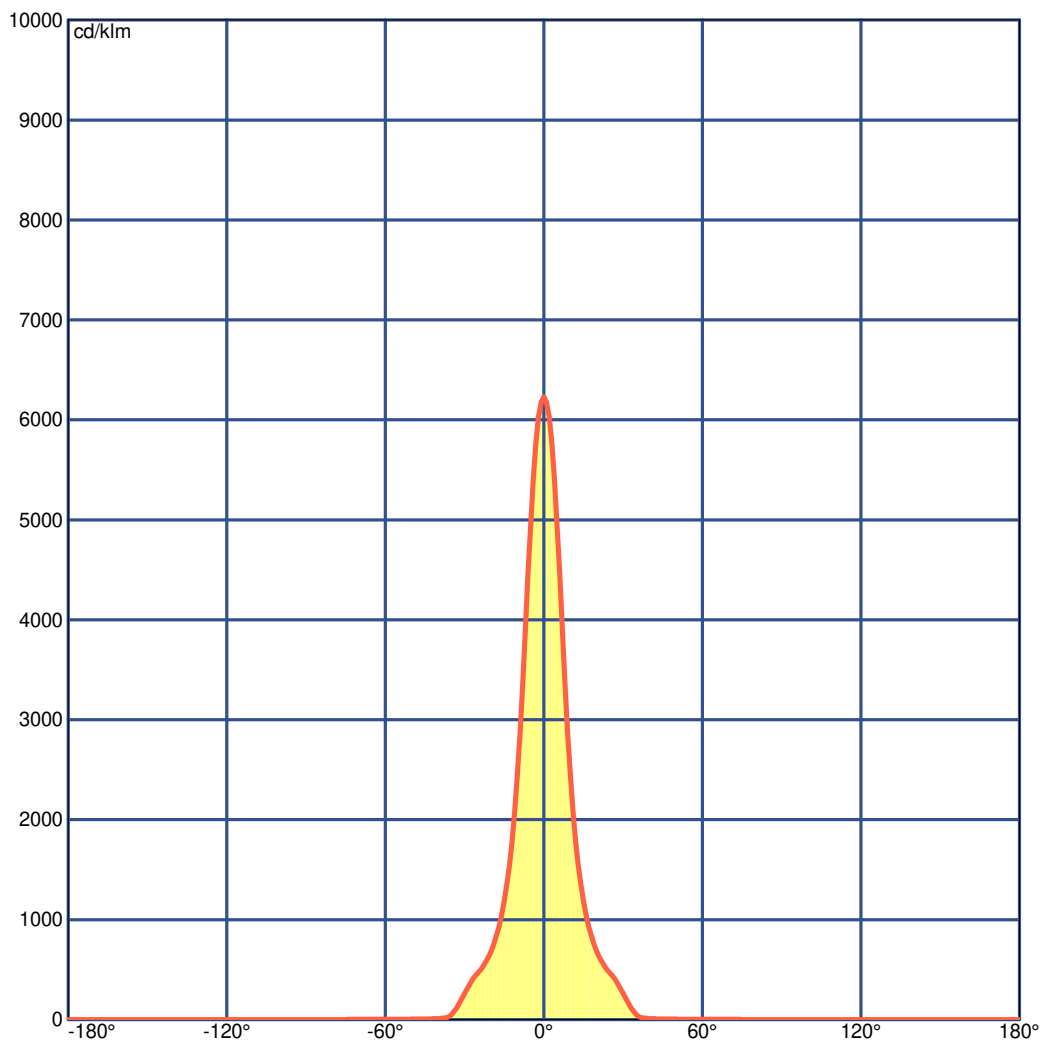
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**UGR**  
S = 0.250

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	12.1	12.8	12.4	13.0	13.1	12.1	12.8	12.4	13.0	13.1
x=2H y=3H	12.1	12.7	12.4	12.9	13.1	12.1	12.7	12.4	12.9	13.1
x=2H y=4H	12.1	12.6	12.3	12.9	13.1	12.1	12.6	12.3	12.9	13.1
x=2H y=6H	12.0	12.5	12.3	12.8	13.1	12.0	12.5	12.3	12.8	13.1
x=2H y=8H	12.0	12.5	12.3	12.8	13.0	12.0	12.5	12.3	12.8	13.0
x=2H y=12H	11.9	12.4	12.3	12.7	13.0	11.9	12.4	12.3	12.7	13.0
x=4H y=2H	12.0	12.5	12.3	12.8	13.0	12.0	12.5	12.3	12.8	13.0
x=4H y=3H	12.0	12.4	12.3	12.7	13.0	12.0	12.4	12.3	12.7	13.0
x=4H y=4H	12.0	12.4	12.3	12.7	13.0	12.0	12.4	12.3	12.7	13.0
x=4H y=6H	11.9	12.3	12.4	12.6	13.0	11.9	12.3	12.4	12.6	13.0
x=4H y=8H	11.9	12.2	12.3	12.6	13.0	11.9	12.2	12.3	12.6	13.0
x=4H y=12H	11.9	12.1	12.3	12.5	12.9	11.9	12.1	12.3	12.5	12.9
x=8H y=4H	11.9	12.2	12.3	12.6	13.0	11.9	12.2	12.3	12.6	13.0
x=8H y=6H	11.9	12.1	12.3	12.5	12.9	11.9	12.1	12.3	12.5	12.9
x=8H y=8H	11.9	12.0	12.3	12.5	12.9	11.9	12.0	12.3	12.5	12.9
x=8H y=12H	11.8	11.9	12.3	12.4	12.9	11.8	11.9	12.3	12.4	12.9
x=12H y=4H	11.9	12.1	12.3	12.5	12.9	11.9	12.1	12.3	12.5	12.9
x=12H y=6H	11.8	12.0	12.3	12.5	12.9	11.8	12.0	12.3	12.5	12.9
x=12H y=8H	11.8	11.9	12.3	12.4	12.9	11.8	11.9	12.3	12.4	12.9



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Total Flux=3071.37 Luminaire Flux=3071.37

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	0.74	0.78	0.82	0.86	0.88	0.93	0.95	0.98	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

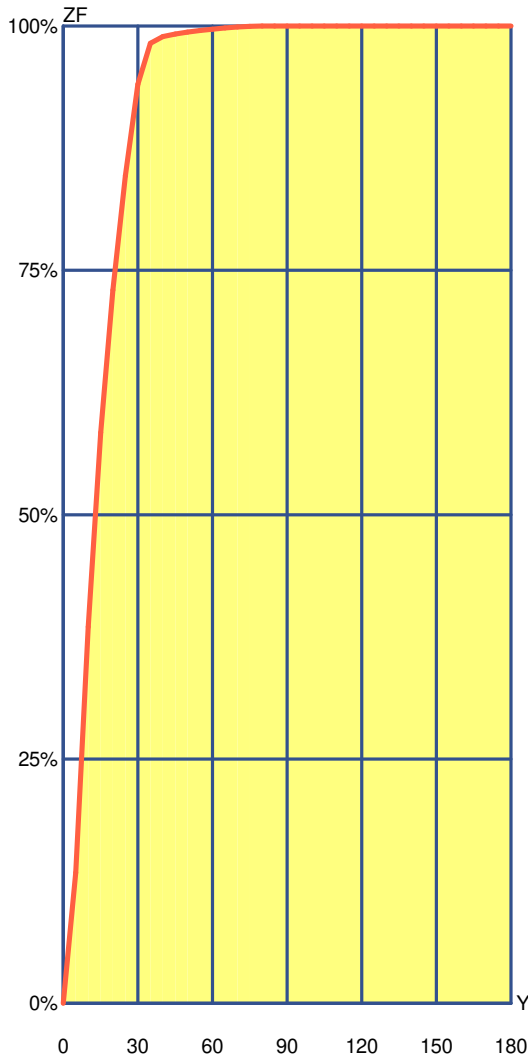
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	385	730	940	989	994	997	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

99 100 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	--	DLOR	100.00000 %
B NBN	BZ 1	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°	133.62	133.62	13.36 %	13.36 %
10°	251.47	385.09	25.15 %	38.51 %
15°	198.79	583.88	19.88 %	58.39 %
20°	146.00	729.88	14.60 %	72.99 %
25°	116.85	846.72	11.68 %	84.67 %
30°	93.58	940.30	9.36 %	94.03 %
35°	41.97	982.27	4.20 %	98.23 %
40°	6.79	989.06	0.68 %	98.91 %
45°	2.75	991.81	0.28 %	99.18 %
50°	1.92	993.73	0.19 %	99.37 %
55°	1.58	995.31	0.16 %	99.53 %
60°	1.44	996.75	0.14 %	99.68 %
65°	1.43	998.18	0.14 %	99.82 %
70°	0.85	999.03	0.09 %	99.90 %
75°	0.51	999.54	0.05 %	99.95 %
80°	0.33	999.87	0.03 %	99.99 %
85°	0.11	999.97	0.01 %	100.00 %
90°	0.03	1000.00	0.00 %	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 %



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Utilizations CIE

Mounting	Direct	Normalization										Normalised										Suspension Ratid/3										Standard CIE Settings																																																																																																																																																																																																																																																																																							
Ceiling																																																																																																																																																																																																																																																																																																																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	160	144	89	80	137	77	93	79	49	42	31	23	18	12	39	25	22	14	12	21	12	11	0	0.80	193	177	98	90	169	86	123	107	59	52	40	32	25	19	49	33	30	21	18	28	18	16	0	1.00	217	202	99	93	192	89	147	131	64	58	46	38	32	25	54	40	36	28	24	34	24	22	0	1.25	240	226	101	95	215	92	172	157	70	64	53	45	40	32	60	46	43	35	31	41	31	28	0	1.50	258	245	101	97	233	93	193	178	74	69	59	51	46	38	65	52	49	41	37	47	37	34	0	2.00	281	270	99	96	258	92	224	209	78	74	67	60	57	49	70	60	57	51	47	55	47	43	0	2.50	297	288	97	94	275	91	246	233	81	77	72	66	64	57	73	66	63	59	55	61	55	51	0	3.00	308	300	95	93	287	90	263	251	82	79	76	70	70	63	76	70	68	65	61	65	61	57	0	4.00	325	319	95	93	305	91	286	276	86	84	82	77	78	72	80	77	74	73	69	72	69	65	0	5.00	336	331	95	94	317	92	302	293	89	87	86	82	83	78	83	81	79	79	75	77	75	71	0	10.00	360	357	96	96	343	94	337	332	94	93	95	92	95	92	90	91	90	91	89	87	88	85	0	20.00	374	373	98	98	358	96	357	354	98	97	100	99	102	100	95	97	96	99	98	94	96	93	0

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	275	267	186	181	262	179	206	200	145	141	121	118	104	102	140	119	117	103	102	117	102	101	79	0.80	308	298	198	194	291	191	237	229	159	156	136	133	119	117	153	133	131	117	116	130	116	115	88	1.00	322	312	195	191	303	187	253	244	160	156	140	136	124	120	153	135	134	121	119	132	119	117	88	1.25	338	329	194	191	317	187	271	261	163	160	145	140	130	126	155	140	138	127	124	135	124	122	89	1.50	349	340	192	189	326	185	283	273	164	161	148	143	134	129	156	142	140	130	127	137	126	123	88	2.00	349	340	172	170	324	165	289	278	150	147	137	133	127	122	141	130	129	121	118	124	116	113	74	2.50	341	333	150	148	315	144	285	275	133	130	123	119	115	110	123	115	114	108	105	109	103	98	56	3.00	328	321	128	126	301	121	277	267	113	111	106	102	100	95	103	98	96	92	90	90	86	80	37	4.00	318	313	105	104	290	99	271	263	93	91	89	85	84	80	83	80	78	76	74	72	69	62	16	5.00	306	301	85	84	278	79	262	255	75	73	72	69	69	65	65	62	61	60	57	54	52	45	0	10.00	230	228	0	0	200	0	194	189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.00	91	89	0	0	60	0	59	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	913	904	852	847	898	844	830	824	800	796	769	766	748	746	794	767	765	746	745	765	745	745	737	0.80	974	963	897	892	954	888	887	878	846	842	816	812	793	790	838	811	810	791	789	808	789	787	779	1.00	1000	1000	937	932	1000	927	941	931	890	886	863	858	841	837	881	857	855	838	835	852	835	833	825	1.25	1000	1000	967	963	1000	956	986	974	924	919	899	893	879	873	913	891	889	873	870	885	869	866	858	1.50	1000	1000	988	984	1000	977	1000	1000	948	944	925	919	907	900	936	916	914	900	897	909	895	890	883	2.00	1000	1000	1000	1000	1000	1000	1000	1000	989	984	971	965	956	949	975	960	957	947	943	951	940	933	926	2.50	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	995	989	982	999	988	986	979	975	978	969	961	955	3.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	997	991	982	975	4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	992	5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
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LM53 SHR C0-C180: 0.290 SHR C90-C270: 0.290 SHR Square: 0.313





**Luminaire**

Code TC-0524-NEG  
Name ONYX

**Measurem.**

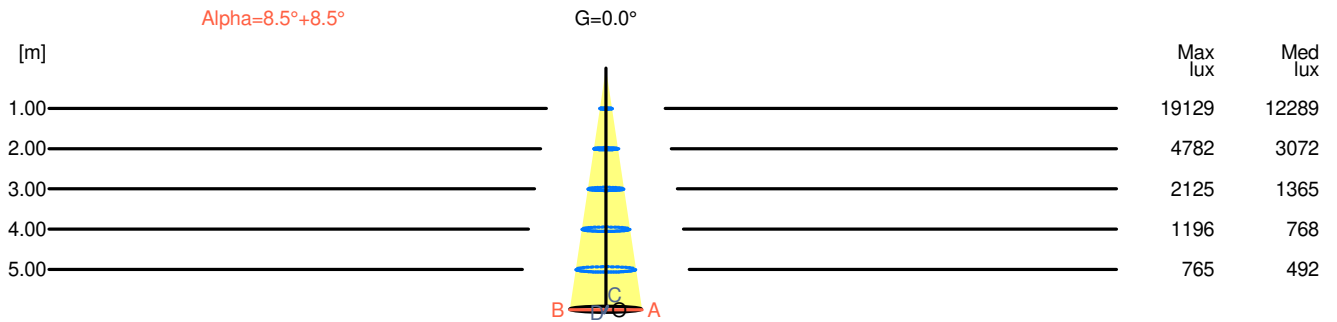
Code TC-0524-NEG  
Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	0.15	0.30	0.45	0.60	0.75	OC	0.15	0.30	0.45	0.60	0.75
OB	0.15	0.30	0.45	0.60	0.75	OD	0.15	0.30	0.45	0.60	0.75

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	19129.23	15204.99	3625.69	1430.99	149.49	17.44	10.30	7.82	2.42	0.28
OB	19129.23	15204.99	3625.69	1430.99	149.49	17.44	10.30	7.82	2.42	0.28
OC	19129.23	15204.99	3625.69	1430.99	149.49	17.44	10.30	7.82	2.42	0.28
OD	19129.23	15204.99	3625.69	1430.99	149.49	17.44	10.30	7.82	2.42	0.28



H[m]	D[m]	Max lux	Med lux	Alpha=8.5°+8.5°	G=0.0
1.00	0.30	19129	12289		
2.00	0.60	4782	3072		
3.00	0.90	2125	1365		
4.00	1.20	1196	768		
5.00	1.50	765	492		



**Luminaire**

Code TC-0524-NEG  
Name ONYX

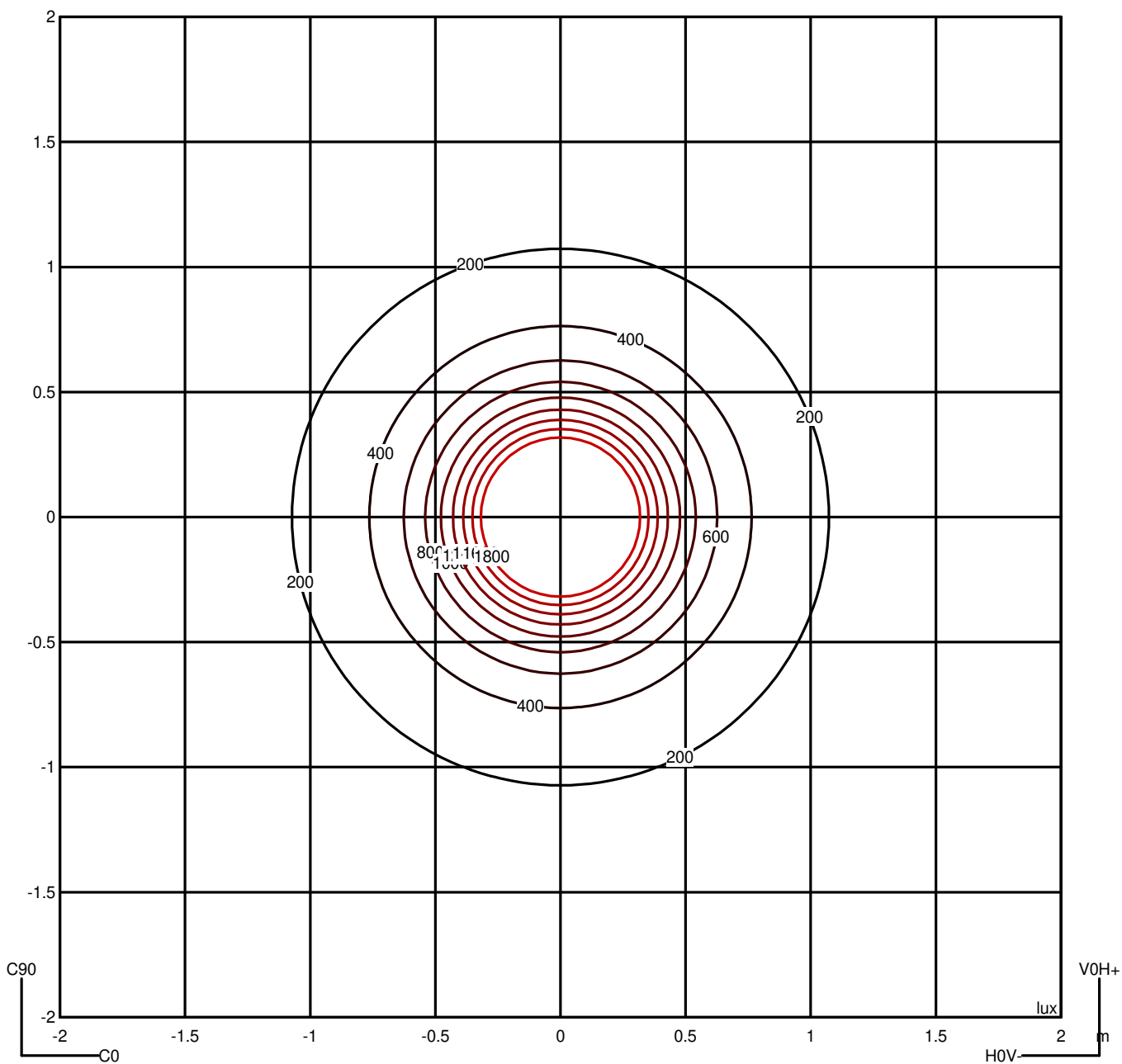
**Measurement**

Code TC-0524-NEG  
Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Isolux (Floor)

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





**Luminaire**

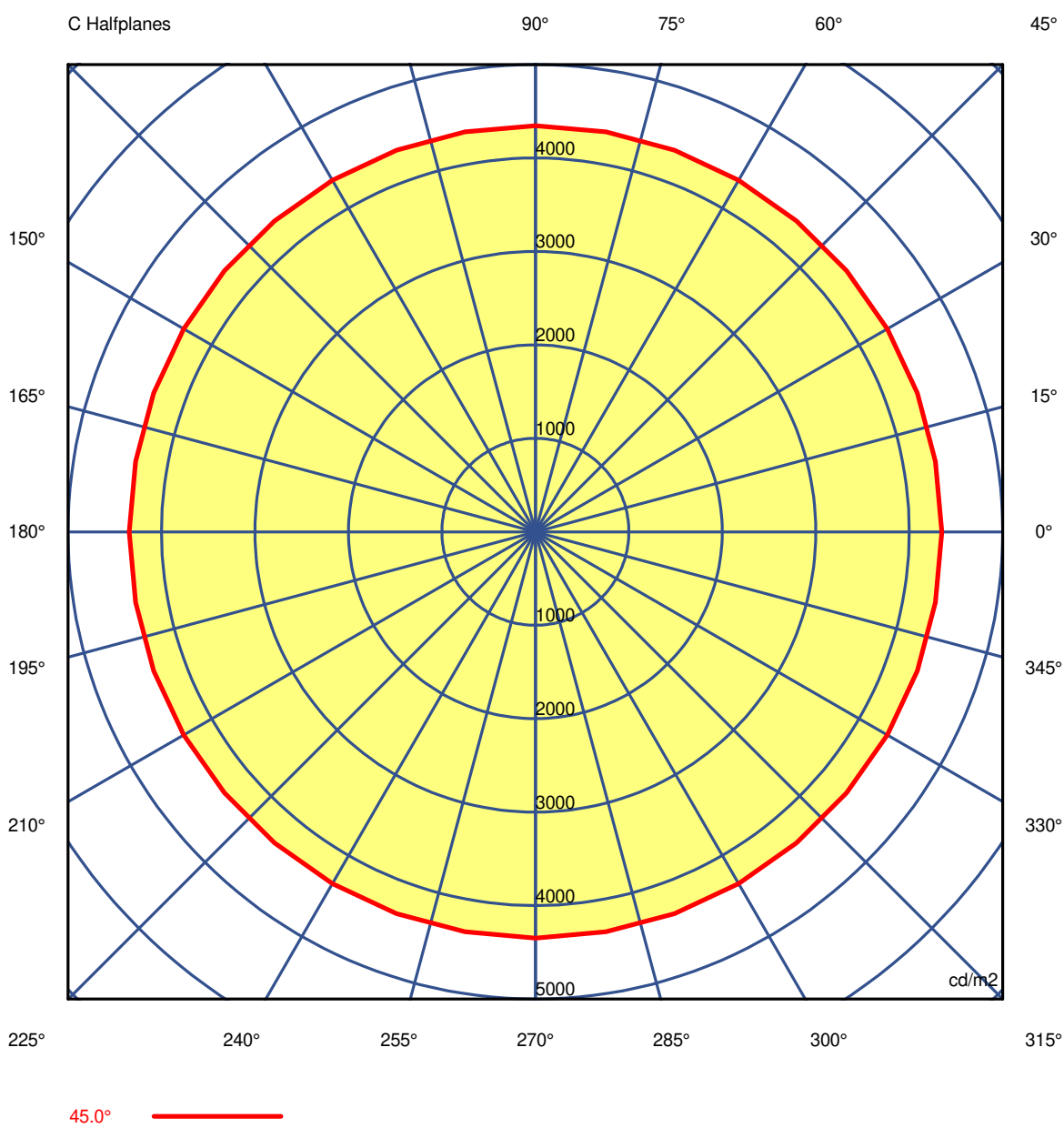
Code TC-0524-NEG  
Name ONYX

**Measurement**

Code TC-0524-NEG  
Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance





**Luminaire**

Code TC-0524-NEG

Name ONYX

**Measurement**

Code TC-0524-NEG

Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

**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	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88
G 5.0	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22
G 10.0	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78
G 15.0	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58
G 20.0	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63
G 25.0	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75
G 30.0	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33
G 35.0	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57
G 40.0	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15
G 45.0	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16
G 50.0	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99
G 55.0	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73
G 60.0	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28
G 65.0	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41
G 70.0	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14
G 75.0	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45
G 80.0	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65
G 85.0	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



**Luminaire**

Code TC-0524-NEG

Name ONYX

**Measurement**

Code TC-0524-NEG

Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

**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	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88
G 5.0	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22
G 10.0	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78
G 15.0	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58
G 20.0	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63
G 25.0	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75
G 30.0	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33
G 35.0	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57
G 40.0	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15
G 45.0	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16
G 50.0	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99
G 55.0	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73
G 60.0	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28
G 65.0	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41
G 70.0	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14
G 75.0	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45
G 80.0	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65
G 85.0	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



**Luminaire**

Code TC-0524-NEG

Name ONYX

**Measur.**

Code TC-0524-NEG

Name ONYX

Luminaire Flux	3071.37 lm	Luminaire Power	30.00 W	Efficacy	102.38 lm/W	Efficiency	100.00%
Sources Flux	3071.37 lm	Maximum value	6228.24 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

**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	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88	3371085.88
G 5.0	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22	2689764.22
G 10.0	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78	1341645.78
G 15.0	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58	661483.58
G 20.0	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63	393163.63
G 25.0	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75	278247.75
G 30.0	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33	161875.33
G 35.0	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57	32160.57
G 40.0	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15	7060.15
G 45.0	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16	4346.16
G 50.0	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99	3414.99
G 55.0	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73	3165.73
G 60.0	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28	3206.28
G 65.0	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41	3262.41
G 70.0	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14	1909.14
G 75.0	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45	1645.45
G 80.0	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65	1166.65
G 85.0	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92	558.92
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



# Onyx

TC-0357 TC-0358 TC-0523 TC-0524

# FOR LIGHT

