Luminaire
Code SKYBELL PLUS OPTICAL SET
Name SKYBELL PLUS
Measurem.
Code CL092A20F021G
Name SKYBELL PLUS A/01 CONTRAC

Luminaire Flux	315.29 lm	Luminaire Power	5.24 W	Efficacy	60.16 lm/W	Efficiency	100.00%
Sources Flux	315.29 lm	Maximum value	742.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 60 mm	Height	120 mm
Round Luminous Area	Diam. 25 mm	Height	0 mm
Horizontal Luminous Area	0.000491 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°	0.000119 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	18-12-2020	Maximum Gamma Angle	90
Measurement Distance	6.44	Measurement Flux	315.29 lm
Operator	Asselum T2	Rated Voltage	230.29 V
Temperature	25.60 °C	Rated Current	0.08 A
Humidity	41.50 %	Photocell	Prc
Notes	RM20111801		

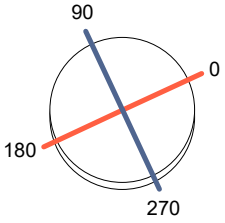
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	NICHIA CORPORATION	NV4L144AMT-E(4279D) R70 R8000 R9050	315.29	5.24	1

C.I.E.	99	100	100	100	100	D DIN 5040	A60		
F UTE	--					B NBN	BZ 1		

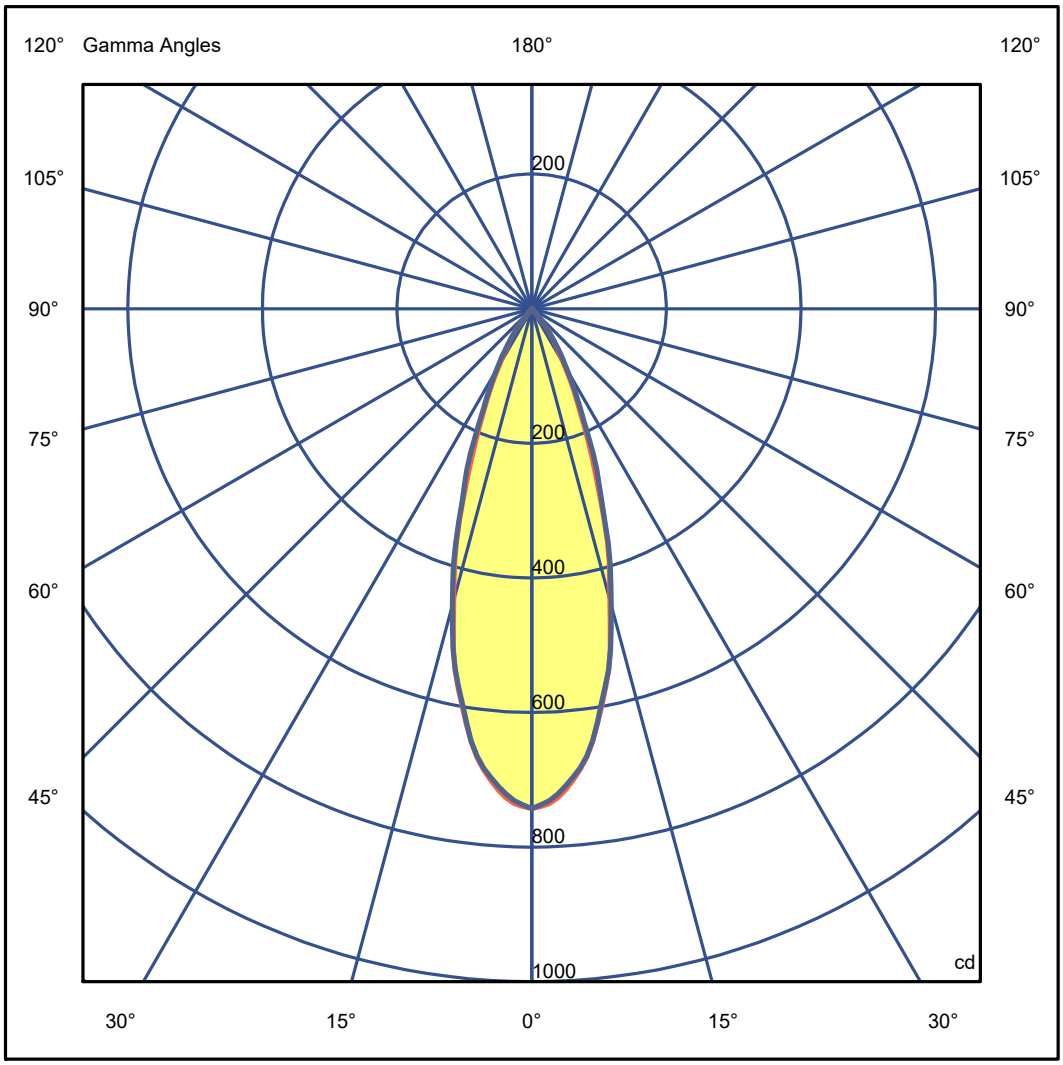


Diam=60mm



C Halfplanes
180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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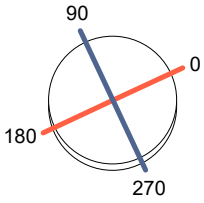
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	742.28	742.28	742.28	742.28	742.28	742.28	742.28
G 2.5	732.38	728.40	733.01	731.29	729.85	729.36	727.30
G 5.0	702.80	703.11	703.23	701.07	700.22	699.14	699.04
G 7.5	660.49	661.40	661.46	655.75	656.15	658.35	659.54
G 10.0	598.31	608.16	599.66	600.68	603.78	599.22	595.39
G 12.5	534.24	521.93	537.44	540.35	531.73	531.24	534.53
G 15.0	448.25	452.75	452.49	463.99	462.80	460.87	455.83
G 17.5	378.34	381.20	378.66	379.85	377.07	391.04	383.32
G 20.0	294.64	310.42	295.29	308.89	306.24	321.41	302.55
G 22.5	227.02	224.94	230.42	249.89	237.31	263.42	246.42
G 25.0	171.01	174.08	171.99	193.69	181.51	203.79	182.71
G 27.5	132.07	134.40	128.65	141.77	133.07	159.58	140.60
G 30.0	95.93	103.74	94.12	102.80	100.65	120.72	105.47
G 32.5	72.13	72.60	69.00	77.77	73.02	88.81	79.50
G 35.0	54.90	52.43	51.54	55.22	50.58	56.45	55.19
G 37.5	39.00	34.84	34.52	32.91	33.52	34.11	34.43
G 40.0	14.02	20.29	14.69	20.38	15.82	24.71	18.18
G 42.5	6.27	9.55	6.51	9.91	6.73	12.77	7.31
G 45.0	4.15	4.27	4.10	4.84	3.96	5.36	4.34
G 47.5	2.63	2.87	2.53	2.94	2.66	3.30	2.77
G 50.0	1.82	1.89	1.65	1.79	1.57	1.94	1.82
G 52.5	0.85	1.12	0.86	0.93	0.87	1.15	0.84
G 55.0	0.25	0.44	0.34	0.57	0.33	0.71	0.41
G 57.5	0.18	0.23	0.20	0.29	0.18	0.30	0.19
G 60.0	0.17	0.20	0.18	0.16	0.16	0.16	0.18
G 62.5	0.13	0.18	0.16	0.14	0.13	0.15	0.13
G 65.0	0.13	0.17	0.13	0.13	0.12	0.11	0.13
G 67.5	0.13	0.16	0.14	0.12	0.12	0.13	0.11
G 70.0	0.13	0.15	0.15	0.12	0.11	0.12	0.11
G 72.5	0.12	0.16	0.13	0.11	0.10	0.10	0.10
G 75.0	0.11	0.14	0.13	0.10	0.09	0.10	0.09
G 77.5	0.11	0.14	0.12	0.10	0.09	0.09	0.09
G 80.0	0.11	0.13	0.10	0.09	0.09	0.09	0.09
G 82.5	0.12	0.14	0.10	0.09	0.09	0.09	0.09
G 85.0	0.11	0.14	0.10	0.09	0.09	0.09	0.09
G 87.5	0.09	0.13	0.11	0.10	0.09	0.09	0.09
G 90.0	0.09	0.13	0.10	0.09	0.09	0.09	0.09

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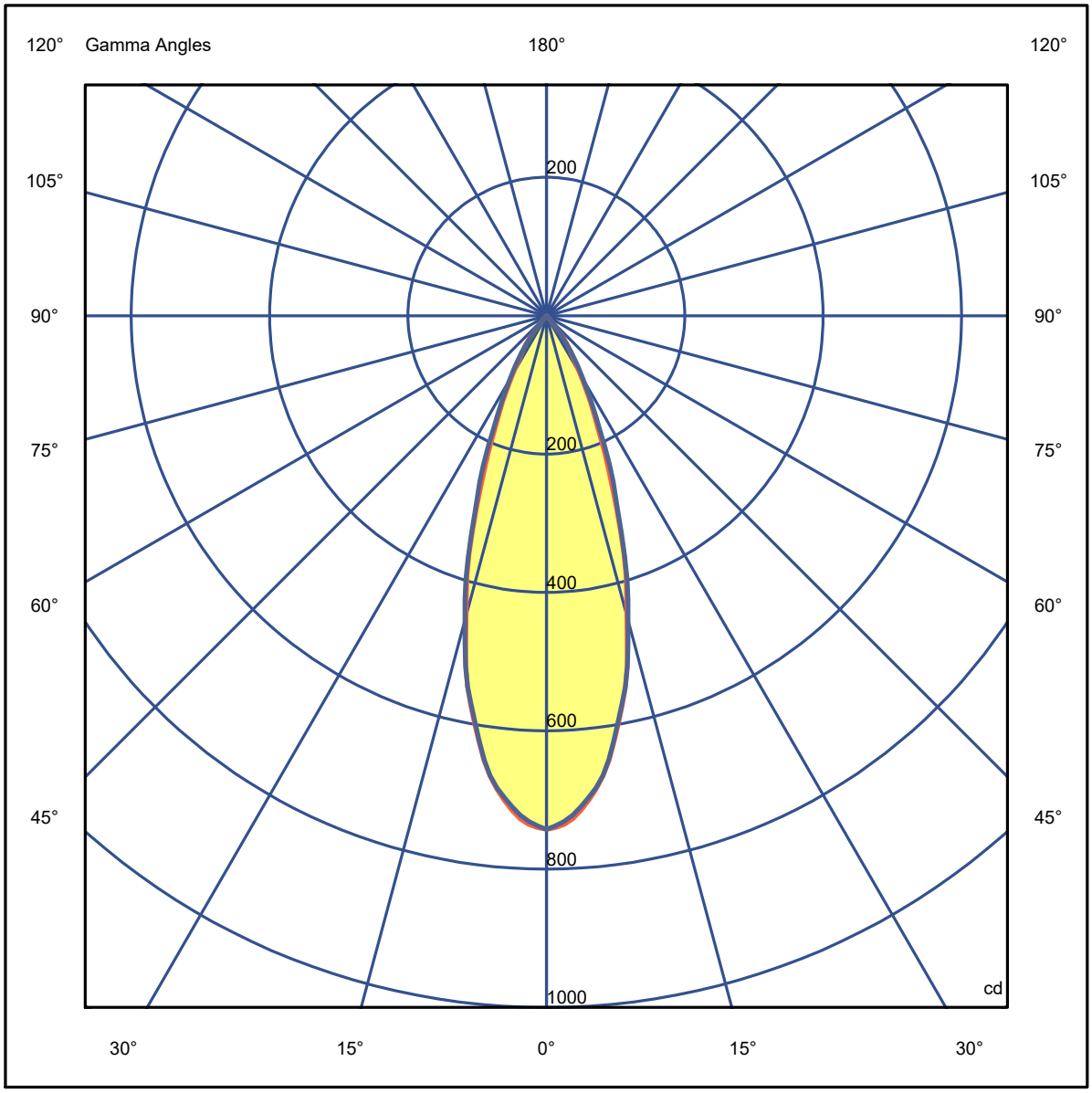
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Sources Flux	315.29 lm	Maximum value	742.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=60mm



C Halfplanes

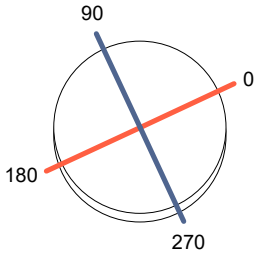




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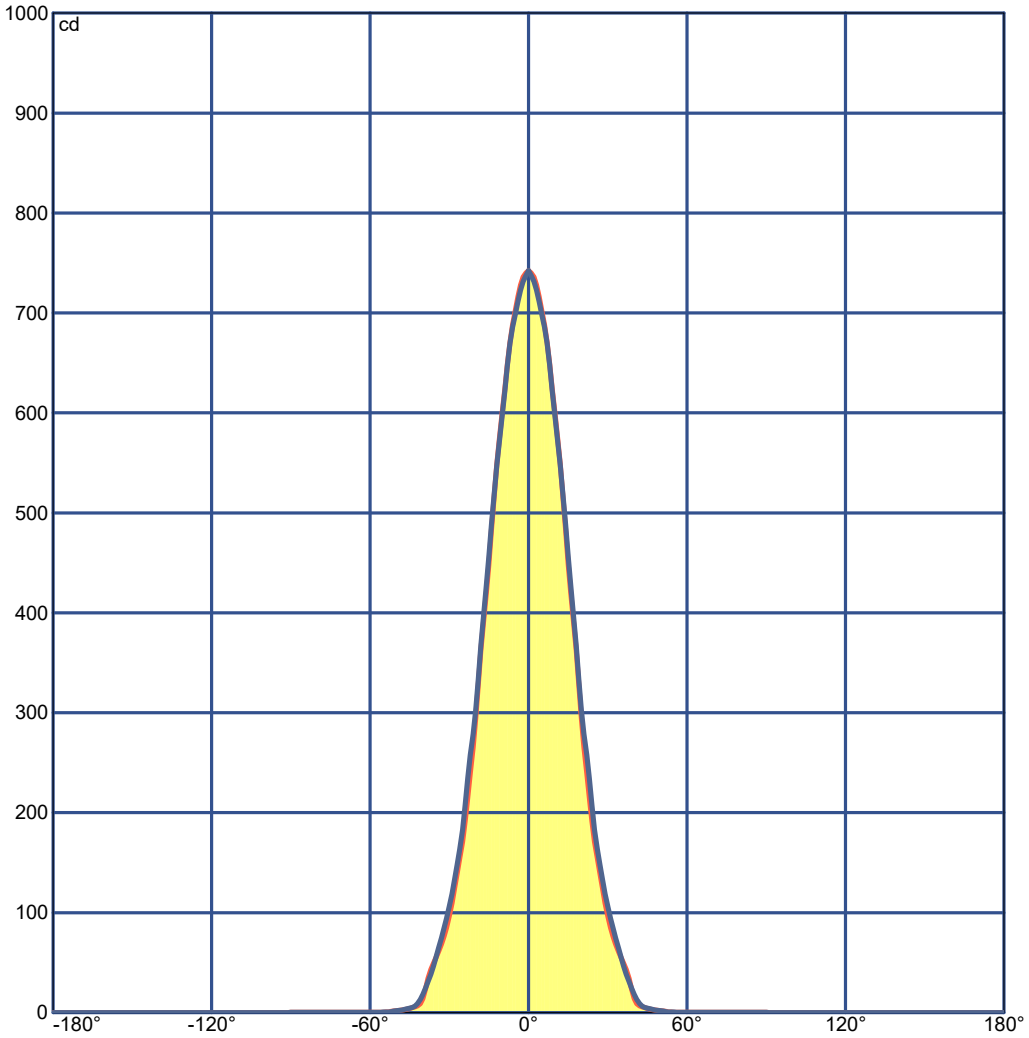
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C Halfplanes





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Sources Flux	315.29 lm	Maximum value	742.28 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
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	17.6	18.2	17.8	18.4	18.6	18.6	19.2	18.8	19.4	19.6
x=2H y=3H	17.4	18.0	17.7	18.3	18.5	18.5	19.0	18.7	19.3	19.5
x=2H y=4H	17.4	17.9	17.7	18.2	18.4	18.4	18.9	18.7	19.2	19.4
x=2H y=6H	17.3	17.8	17.6	18.1	18.4	18.3	18.8	18.6	19.1	19.4
x=2H y=8H	17.3	17.8	17.6	18.0	18.3	18.3	18.8	18.6	19.0	19.3
x=2H y=12H	17.2	17.7	17.6	18.0	18.3	18.2	18.7	18.6	19.0	19.3
x=4H y=2H	17.4	17.9	17.7	18.2	18.4	18.4	18.9	18.7	19.2	19.4
x=4H y=3H	17.2	17.7	17.6	18.0	18.3	18.2	18.7	18.6	19.0	19.3
x=4H y=4H	17.2	17.6	17.5	17.9	18.2	18.2	18.6	18.5	18.9	19.2
x=4H y=6H	17.1	17.4	17.5	17.8	18.2	18.1	18.4	18.5	18.8	19.2
x=4H y=8H	17.1	17.4	17.5	17.7	18.1	18.0	18.3	18.5	18.7	19.1
x=4H y=12H	17.0	17.3	17.5	17.7	18.1	18.0	18.3	18.5	18.7	19.1
x=8H y=4H	17.0	17.3	17.5	17.7	18.1	18.0	18.3	18.5	18.7	19.1
x=8H y=6H	17.0	17.2	17.4	17.6	18.1	18.0	18.2	18.4	18.6	19.0
x=8H y=8H	16.9	17.1	17.4	17.6	18.0	17.9	18.1	18.4	18.5	19.0
x=8H y=12H	16.9	17.0	17.4	17.5	18.0	17.9	18.0	18.4	18.5	19.0
x=12H y=4H	17.0	17.3	17.4	17.7	18.1	18.0	18.3	18.4	18.7	19.1
x=12H y=6H	16.9	17.1	17.4	17.5	18.0	17.9	18.1	18.4	18.5	19.0
x=12H y=8H	16.9	17.0	17.4	17.5	18.0	17.9	18.0	18.4	18.5	19.0

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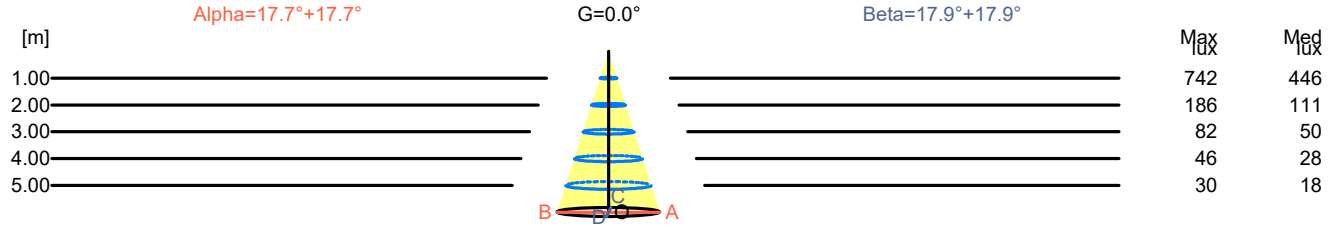
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Sources Flux	315.29 lm	Maximum value	742.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.32	0.64	0.96	1.28	1.60	OC	0.32	0.64	0.97	1.29	1.61
OB	0.32	0.64	0.96	1.28	1.60	OD	0.32	0.64	0.97	1.29	1.61

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	742.28	702.80	448.25	171.01	54.90	4.15	0.25	0.13	0.11	0.11
OB	742.28	702.80	448.25	171.01	54.90	4.15	0.25	0.13	0.11	0.11
OC	742.28	699.04	455.83	182.71	55.19	4.34	0.41	0.13	0.09	0.09
OD	742.28	699.04	455.83	182.71	55.19	4.34	0.41	0.13	0.09	0.09



H[m]	D[m]	Max lux	Med lux	Alpha=17.7°+17.7° G=0.0
1.00	0.64	742	446	
2.00	1.28	186	111	
3.00	1.92	82	50	
4.00	2.56	46	28	
5.00	3.19	30	18	

H[m]	D[m]	Max lux	Med lux	Beta=17.9°+17.9° G=0.0
1.00	0.64	742	446	
2.00	1.29	186	111	
3.00	1.93	82	50	
4.00	2.58	46	28	
5.00	3.22	30	18	

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Total Flux=315.29 Luminaire Flux=315.29

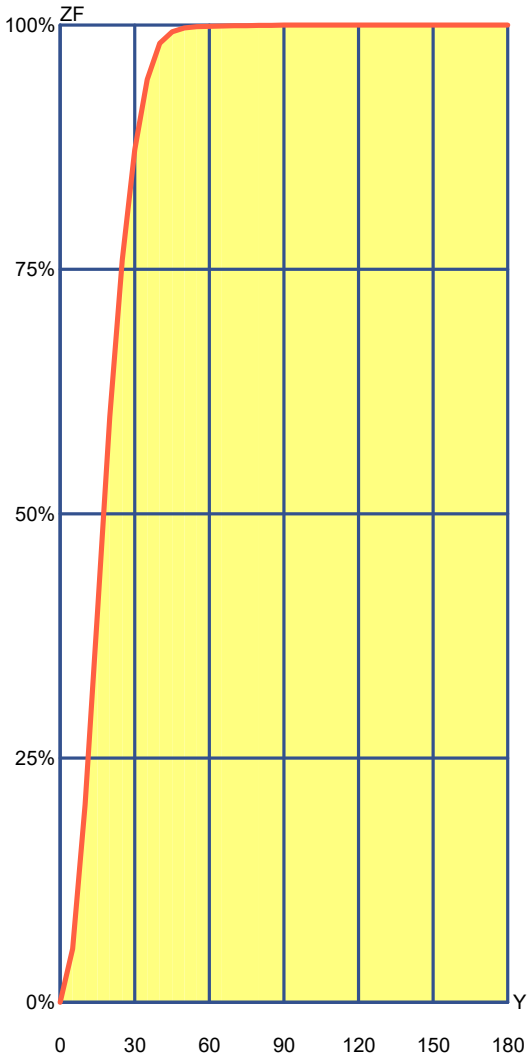
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.73	0.78	0.82	0.86	0.88	0.93	0.95	0.97	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	202	599	872	981	997	999	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 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	54.67	54.67	5.47 %	5.47 %
10°	147.72	202.38	14.77 %	20.24 %
15°	198.53	400.91	19.85 %	40.09 %
20°	198.23	599.14	19.82 %	59.91 %
25°	160.48	759.63	16.05 %	75.96 %
30°	112.79	872.42	11.28 %	87.24 %
35°	71.91	944.33	7.19 %	94.43 %
40°	37.07	981.40	3.71 %	98.14 %
45°	11.81	993.21	1.18 %	99.32 %
50°	3.80	997.01	0.38 %	99.70 %
55°	1.43	998.43	0.14 %	99.84 %
60°	0.40	998.83	0.04 %	99.88 %
65°	0.23	999.06	0.02 %	99.91 %
70°	0.21	999.27	0.02 %	99.93 %
75°	0.20	999.47	0.02 %	99.95 %
80°	0.18	999.65	0.02 %	99.96 %
85°	0.18	999.83	0.02 %	99.98 %
90°	0.17	1000.00	0.02 %	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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Isolux (Floor)

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

