

**Luminaire**

Code 7404  
Name MUSA

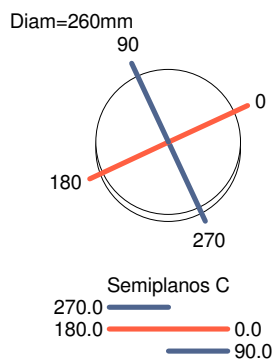
**Measurem.**

Code CL252A18F001GE1  
Name 2700K CRI 90

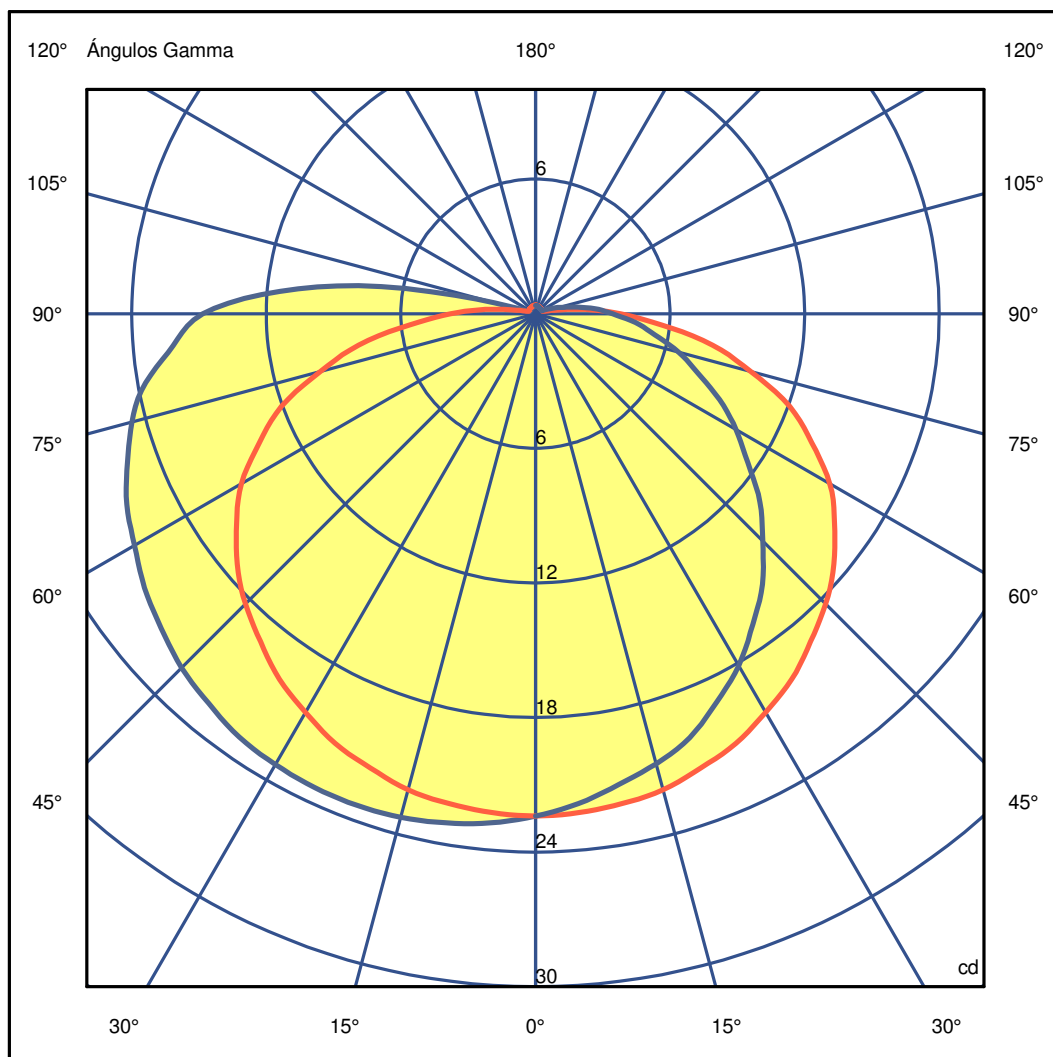
Luminaire Flux	103.22 lm	Luminaire Power	2.34 W	Efficacy	44.11 lm/W	Efficiency	100.00%
Sources Flux	103.22 lm	Maximum value	23.46 cd	Position	C=285.00 G=25.00	CG	Sym. on planes 270-90
Round Luminaire		Diam.	260 mm	Height	90 mm		
Round Luminous Area		Diam.	260 mm	Height	0 mm		
Horizontal Luminous Area		0.053093 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°		0.012844 m2	
Coordinate system		CG		Symmetry Type		Sym. on planes 270-90	
Date		11-01-2018		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		103.22 lm	
Operator		Asselum T2		Rated Voltage			
Temperature		25.10 °C		Rated Current			
Humidity		26.20 %		Photocell		Prc	
Notes		RM171129003					

**Luminaire Sources**

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
NICHIA NF2L75GT-V1F1 sm273/P8,P9,P10/P90501	74	LED 1.5W 500mA	103.22	2.30	1
C.I.E.	34 63 85 92 100	D DIN 5040	A21		
F UTE	0.92 H + 0.08 T	B NBN	BZ 6		



ULOR 7.91 %  
DLOR 92.09 %  
RN 7.91 %



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Sources Flux	103.22 lm	Maximum value	23.46 cd	Position	C=285.00 G=25.00	CG	Sym. on planes 270-90

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

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39
G 5.0	22.78	22.79	22.70	22.65	22.49	22.45	22.32	22.19	22.12	21.99	21.97	21.91	21.91
G 10.0	23.04	23.11	22.92	22.85	22.55	22.43	22.17	21.94	21.79	21.56	21.49	21.34	21.31
G 15.0	23.24	23.31	23.05	22.95	22.49	22.31	21.96	21.54	21.36	20.95	20.91	20.73	20.76
G 20.0	23.31	23.44	23.09	22.90	22.35	22.06	21.54	21.08	20.81	20.34	20.27	19.92	20.10
G 25.0	23.30	23.46	23.02	22.81	22.12	21.73	21.13	20.48	20.17	19.51	19.36	18.94	19.10
G 30.0	23.20	23.36	22.84	22.60	21.74	21.30	20.51	19.79	19.45	18.57	18.46	17.84	18.11
G 35.0	23.03	23.19	22.59	22.32	21.32	20.77	19.90	19.01	18.62	17.59	17.25	16.67	16.89
G 40.0	22.67	22.93	22.28	21.97	20.81	20.12	19.08	18.09	17.60	16.34	16.18	15.38	15.74
G 45.0	22.32	22.58	21.87	21.49	20.21	19.45	18.29	17.15	16.45	15.17	14.90	14.01	14.32
G 50.0	21.79	22.13	21.39	21.01	19.54	18.72	17.36	15.98	15.19	13.69	13.56	12.65	13.06
G 55.0	21.29	21.60	20.88	20.35	18.79	17.79	16.27	14.65	13.84	12.39	12.15	11.26	11.54
G 60.0	20.65	21.04	20.27	19.73	17.90	16.87	15.15	13.16	12.36	10.78	10.77	10.00	10.31
G 65.0	20.11	20.44	19.70	18.95	16.91	15.78	13.59	11.56	10.83	9.46	9.45	8.65	9.05
G 70.0	19.36	19.79	18.88	18.14	15.88	14.52	12.05	9.75	9.21	8.01	8.02	7.34	7.68
G 75.0	18.64	19.02	17.98	17.18	14.69	13.00	9.93	7.84	7.59	6.57	6.84	6.15	6.61
G 80.0	17.65	18.05	16.74	15.88	13.15	11.00	8.01	5.99	6.10	5.30	5.52	5.04	5.40
G 85.0	16.22	16.73	15.30	14.63	10.75	8.64	5.64	4.23	4.60	4.02	4.54	4.05	4.47
G 90.0	14.85	15.35	13.25	12.08	7.73	6.12	3.80	2.88	3.28	3.02	3.51	3.09	3.43
G 95.0	11.45	13.00	9.39	8.89	4.64	3.85	2.25	1.91	2.18	1.96	2.58	2.26	2.65
G100.0	6.98	8.54	4.97	4.47	1.92	1.71	1.02	1.18	1.27	1.24	1.72	1.45	1.71
G105.0	1.88	3.65	1.10	1.60	0.34	0.51	0.49	0.50	0.81	0.64	1.04	0.86	1.11
G110.0	0.28	0.36	0.30	0.31	0.30	0.32	0.33	0.33	0.39	0.37	0.62	0.49	0.69
G115.0	0.28	0.28	0.30	0.29	0.30	0.32	0.33	0.33	0.30	0.30	0.35	0.31	0.38
G120.0	0.28	0.30	0.30	0.31	0.28	0.32	0.32	0.33	0.30	0.31	0.30	0.31	0.31
G125.0	0.31	0.29	0.30	0.31	0.30	0.32	0.33	0.33	0.32	0.31	0.31	0.31	0.31
G130.0	0.29	0.30	0.30	0.31	0.31	0.32	0.34	0.33	0.30	0.31	0.31	0.31	0.31
G135.0	0.31	0.30	0.31	0.31	0.31	0.33	0.34	0.33	0.31	0.31	0.31	0.31	0.31
G140.0	0.31	0.31	0.31	0.31	0.31	0.33	0.34	0.33	0.31	0.31	0.31	0.31	0.31
G145.0	0.31	0.31	0.31	0.31	0.31	0.35	0.34	0.33	0.31	0.31	0.31	0.31	0.31
G150.0	0.31	0.31	0.31	0.31	0.31	0.35	0.36	0.33	0.33	0.31	0.31	0.31	0.31
G155.0	0.31	0.31	0.31	0.31	0.33	0.35	0.36	0.35	0.33	0.35	0.32	0.35	0.34
G160.0	0.33	0.33	0.33	0.31	0.35	0.35	0.37	0.36	0.35	0.35	0.34	0.35	0.34
G165.0	0.34	0.35	0.34	0.34	0.35	0.36	0.37	0.36	0.35	0.35	0.34	0.36	0.37
G170.0	0.34	0.36	0.34	0.35	0.38	0.38	0.38	0.38	0.36	0.36	0.36	0.38	0.37
G175.0	0.35	0.36	0.35	0.35	0.38	0.38	0.41	0.39	0.38	0.37	0.37	0.38	0.37
G180.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38

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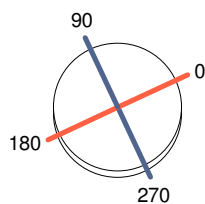
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Name 2700K CRI 90

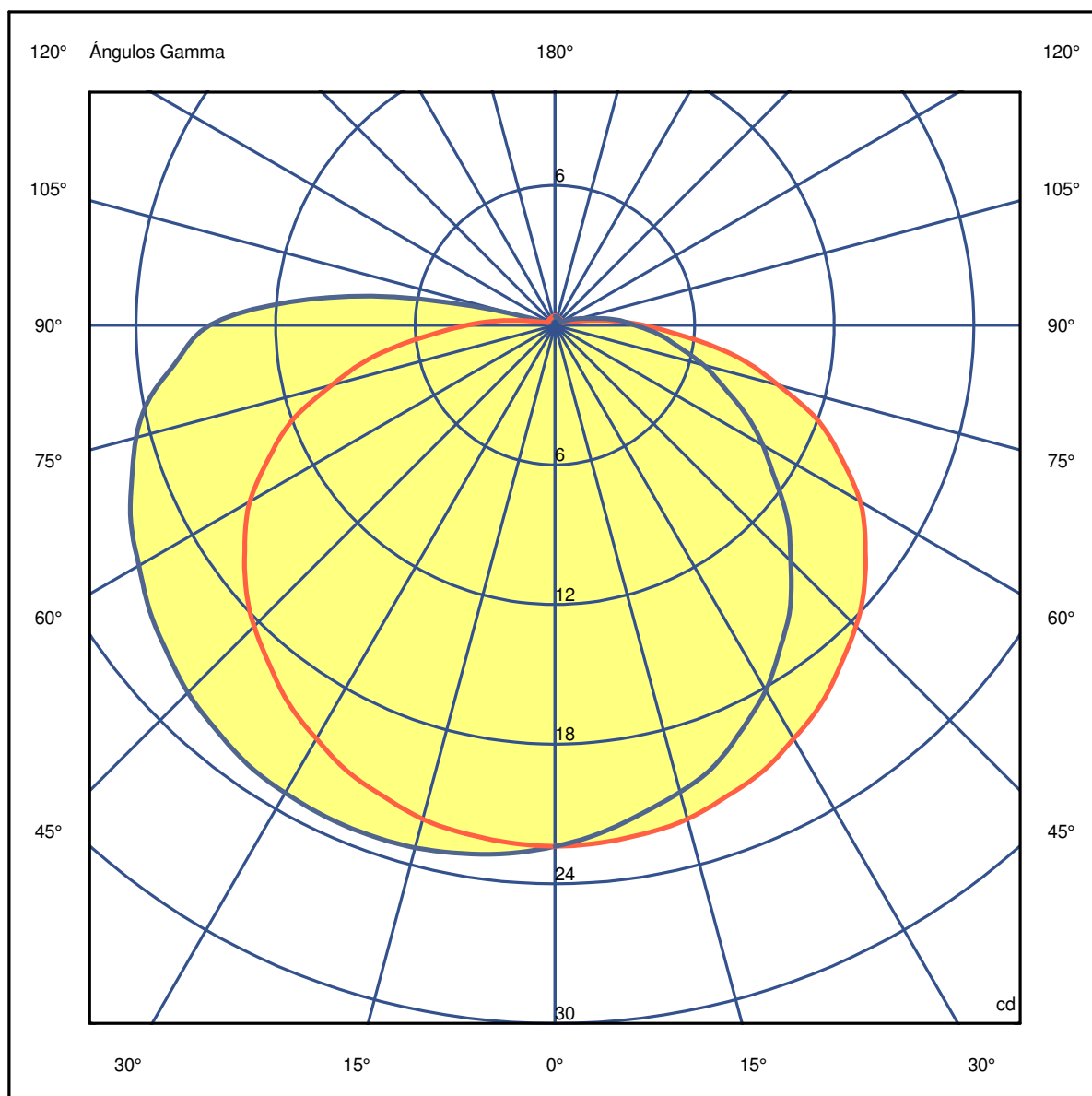
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Diam=260mm



Semiplanos C

270.0 ————  
180.0 ———— 0.0  
————— 90.0



**Luminaire**

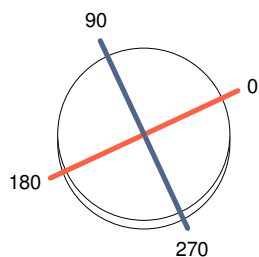
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**Measur.**

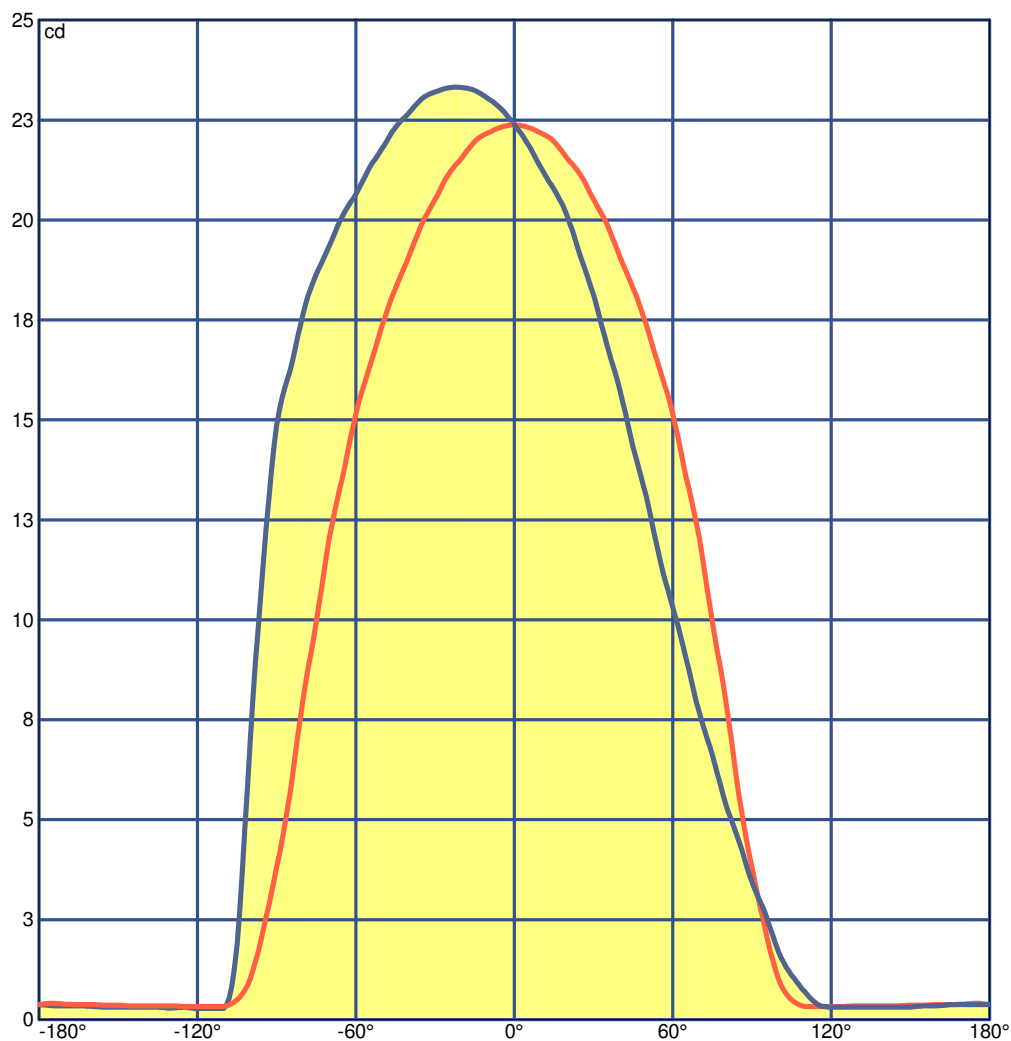
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270.0 ——— 0.0  
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**UGR**  
S = 0.250

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	10.0	11.4	10.4	11.8	12.2	13.2	14.6	13.6	15.0	15.5
x=2H y=3H	12.5	13.8	12.9	14.2	14.6	16.5	17.8	16.9	18.2	18.6
x=2H y=4H	13.7	15.0	14.2	15.4	15.9	18.3	19.6	18.8	20.0	20.5
x=2H y=6H	15.0	16.2	15.5	16.6	17.1	20.4	21.6	20.9	22.0	22.5
x=2H y=8H	15.7	16.8	16.1	17.2	17.7	21.5	22.6	22.0	23.1	23.6
x=2H y=12H	16.3	17.4	16.8	17.9	18.4	22.7	23.8	23.2	24.3	24.8
x=4H y=2H	9.9	11.1	10.3	11.6	12.0	13.3	14.6	13.8	15.0	15.5
x=4H y=3H	12.5	13.6	13.0	14.1	14.6	16.8	17.9	17.3	18.3	18.8
x=4H y=4H	13.9	14.9	14.4	15.4	15.9	18.8	19.8	19.3	20.3	20.8
x=4H y=6H	15.4	16.3	16.0	16.8	17.4	21.1	22.0	21.7	22.5	23.1
x=4H y=8H	16.2	17.0	16.8	17.5	18.1	22.4	23.3	23.0	23.8	24.4
x=4H y=12H	17.0	17.8	17.6	18.3	18.9	23.9	24.7	24.5	25.2	25.8
x=8H y=4H	14.4	15.2	14.9	15.7	16.3	19.4	20.2	20.0	20.8	21.4
x=8H y=6H	15.8	16.5	16.4	17.1	17.7	21.6	22.3	22.2	22.9	23.5
x=8H y=8H	16.7	17.3	17.3	17.9	18.5	23.0	23.6	23.6	24.2	24.9
x=8H y=12H	17.7	18.2	18.3	18.8	19.5	24.7	25.3	25.4	25.9	26.6
x=12H y=4H	14.4	15.1	14.9	15.7	16.3	19.4	20.1	20.0	20.7	21.3
x=12H y=6H	15.8	16.4	16.4	17.0	17.7	21.6	22.3	22.2	22.8	23.5
x=12H y=8H	16.7	17.3	17.3	17.8	18.5	23.1	23.6	23.7	24.2	24.9

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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	281	252	241	217	240	207	163	138	143	122	100	75	69	47	114	81	71	56	45	68	47	41	30	
0.80	322	295	262	241	281	230	196	172	163	144	115	92	79	58	134	96	87	67	55	82	58	51	35	
1.00	350	326	270	253	310	242	223	199	176	158	126	104	88	68	148	108	99	76	64	94	66	59	40	
1.25	374	352	274	260	335	249	249	226	186	170	136	116	97	78	160	118	110	85	74	105	76	68	44	
1.50	391	371	273	261	354	252	270	248	191	177	143	125	104	86	167	127	119	93	82	113	84	76	47	
2.00	412	396	267	258	378	250	300	281	197	186	153	137	116	100	176	138	131	105	96	126	96	89	53	
2.50	425	411	260	253	393	246	322	305	199	190	159	146	124	110	181	145	140	115	106	134	106	99	56	
3.00	433	421	254	248	403	241	338	323	200	192	163	152	131	118	183	151	146	122	114	140	114	107	59	
4.00	444	435	244	240	416	235	361	348	200	194	169	159	141	130	186	158	154	132	126	148	125	118	63	
5.00	451	443	237	234	424	229	376	365	199	195	172	164	147	138	187	163	159	140	134	154	133	126	66	
10.00	462	458	219	217	440	214	410	404	196	193	179	175	163	157	188	172	170	157	153	165	151	146	72	
20.00	466	464	205	205	446	202	429	426	192	191	182	180	173	170	186	176	175	167	166	171	163	158	75	

## 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	490	474	439	427	466	421	367	356	340	331	285	275	245	238	326	277	273	240	236	271	237	234	216
0.80	565	549	496	485	537	476	438	424	397	387	341	330	298	289	380	330	326	292	287	323	287	284	262
1.00	622	606	535	525	591	515	493	479	440	430	384	373	341	331	421	372	368	333	328	363	328	323	298
1.25	675	660	572	562	642	551	548	534	482	472	428	416	384	374	461	414	409	376	370	403	369	363	335
1.50	717	703	599	591	683	579	593	578	514	506	463	451	420	410	493	448	443	410	405	436	403	396	365
2.00	774	762	633	627	737	614	657	643	558	551	512	501	472	462	536	495	491	461	455	482	451	443	408
2.50	814	803	658	652	777	640	704	691	590	584	548	538	511	501	567	531	527	498	493	516	488	478	441
3.00	845	835	676	672	807	659	741	728	615	609	576	567	542	532	591	558	554	528	523	543	516	506	466
4.00	894	886	709	706	856	693	799	789	656	651	622	615	592	584	633	604	601	577	573	587	564	552	510
5.00	932	925	736	733	893	721	844	834	688	684	659	653	632	624	665	640	637	616	612	622	602	589	544
10.00	1000	1000	818	817	1000	804	969	963	784	782	765	761	747	742	762	745	743	729	726	726	712	696	647
20.00	1000	1000	893	892	1000	881	1000	1000	869	867	857	855	846	842	846	836	835	826	824	817	808	790	738

## 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	515	499	481	467	488	459	368	357	354	345	284	274	233	225	338	274	271	227	224	268	223	221	202
0.80	616	597	567	553	582	541	458	444	437	425	362	350	306	296	415	349	344	298	293	339	292	287	267
1.00	696	677	634	621	657	606	534	517	505	493	429	415	370	359	479	413	407	360	354	400	352	346	325
1.25	773	754	697	684	730	668	610	593	572	559	497	482	438	425	542	478	472	425	418	462	415	407	385
1.50	832	815	744	732	786	714	671	653	624	612	552	536	493	479	591	529	524	478	470	512	466	456	434
2.00	920	904	811	802	870	781	766	748	703	692	637	622	581	566	667	611	605	563	555	590	547	535	513
2.50	980	965	855	847	927	826	833	816	756	746	696	682	644	630	719	668	662	623	615	644	605	590	568
3.00	1000	1000	886	879	968	857	883	867	795	786	740	727	692	678	756	710	705	669	661	684	649	631	610
4.00	1000	1000	925	920	1000	898	950	936	846	839	799	788	756	744	806	767	762	731	724	738	708	687	666
5.00	1000	1000	950	946	1000	923	994	982	878	872	837	828	799	788	838	804	800	772	765	774	747	724	703
10.00	1000	1000	1000	1000	1000	979	1000	1000	952	949	926	921	902	894	912	890	888	869	865	857	839	811	792
20.00	1000	1000	1000	1000	1000	1000	1000	1000	996	994	981	978	966	962	956	943	942	931	928	908	897	866	847

LM53 SHR C0-C180: 1.362 SHR C90-C270: 1.202 SHR Square: 1.389

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Isolux (Floor)

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

