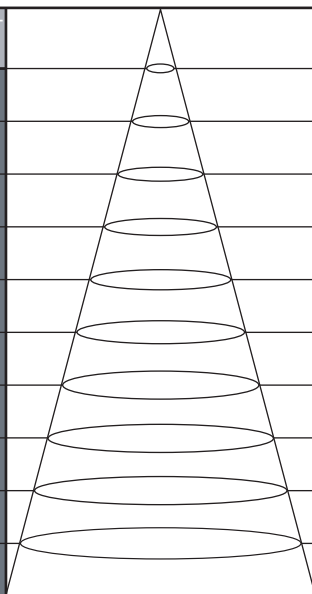


APOLLO

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
6"	FM60	650 LM	9W/120V	3K & 4K	80+	50,000 HOURS

FM60 FOOTCANDLE DIAGRAM

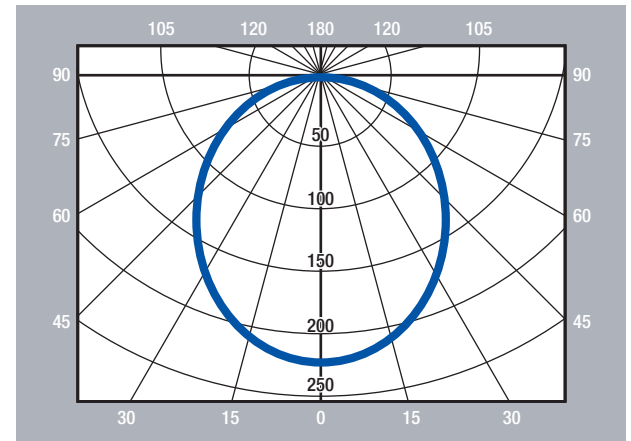
MOUNTING HEIGHT (METERS)	FOOTCANDLES AT NADIR	DIAMETER (CENTIMETERS)
1m	55.28, 219.01x	320.22
2m	13.82, 54.741x	640.44
3m	6.142, 24.331x	960.66
4m	3.455, 13.691x	1280.88
5m	2.211, 8.7591x	1601.10
6m	1.535, 6.0831x	1921.32
7m	1.128, 4.4691x	2241.54
8m	0.8637, 3.4221x	2561.76
9m	0.6824, 2.7031x	2881.98
10m	0.5528, 2.1901x	3202.20



FM60 ZONAL LUMEN SUMMARY

ZONE	LUMENS	% OF LUMINAIRE
0-30	168.1	25
0-40	274.7	40.9
0-60	490.8	73.1
0-90	653.6	97.4
90-180	17.4	2.6

FM60 DISTRIBUTION CURVE (cd/klm)



FM60 COEFFICIENTS OF UTILIZATION

CEILING CAVITY REFLECTANCE	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
WALL REFLECTANCE	EFFECTIVE FLOOR CAVITY REFLECTANCE 20%															
ROOM CAVITY RATIO (RCR)	** VALUES ARE EXPRESSED AS LUMENS DELIVERED TO THE TASK SURFACE **															
0	118	118	118	115	115	115	110	110	110	104	104	104	100	100	100	97
1	102	97	93	99	95	91	95	91	88	90	87	85	86	84	82	79
2	88	81	75	86	80	74	82	77	72	78	74	70	75	71	68	65
3	77	69	62	75	67	61	72	65	60	69	63	58	66	61	57	55
4	68	59	52	67	58	52	64	56	51	61	55	50	59	53	49	46
5	61	52	45	59	51	44	57	49	44	55	48	43	53	47	42	40
6	55	45	39	54	45	39	51	44	38	49	43	37	48	42	37	35
7	49	41	34	49	40	34	47	39	34	45	38	33	43	37	33	31
8	45	36	30	44	36	30	43	35	30	41	35	30	40	34	29	27
9	41	33	27	41	33	27	39	32	27	38	31	27	37	31	26	25
10	38	30	25	38	30	25	36	29	24	35	29	24	34	28	24	22

FM60 AVERAGE LUMINANCE (cd/m²)

VERTICAL ANGLE (DEGREES)	C0/180	C90/270
85	1151	737
80	894	657
75	831	658
70	809	676
65	800	693
60	795	707
55	791	718
50	789	726
45	786	734