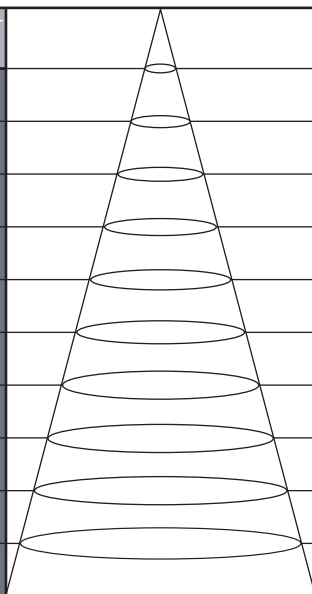


APOLLO

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
6"	FM-MS60	650 LM	9W/120V	4K	80+	50,000 HOURS

FM-MS60 FOOTCANDLE DIAGRAM

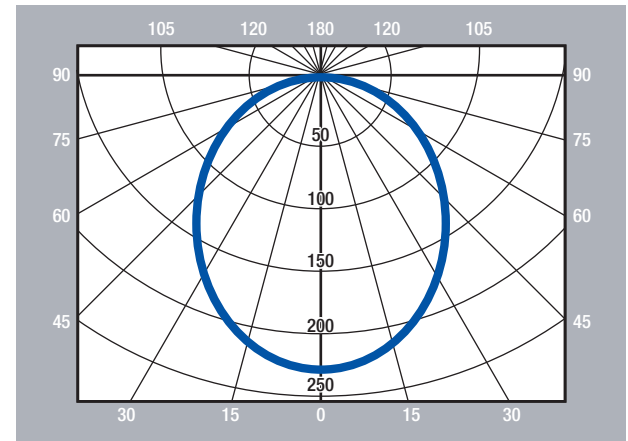
MOUNTING HEIGHT (METERS)	FOOTCANDLES AT NADIR	DIAMETER (CENTIMETERS)
1m	65.11, 228.71x	305.95
2m	16.28, 57.181x	611.90
3m	7.235, 25.411x	917.84
4m	4.070, 14.301x	1223.79
5m	2.604, 9.1491x	1529.74
6m	1.809, 6.3531x	1835.69
7m	1.329, 4.6681x	2141.63
8m	1.017, 3.5741x	2447.58
9m	0.8039, 2.8241x	2753.53
10m	0.6511, 2.871x	3059.48



FM-MS60 ZONAL LUMEN SUMMARY

ZONE	LUMENS	% OF LUMINAIRE
0-30	176.5	25.7
0-40	289.6	42.2
0-60	515.5	75.1
0-90	673.3	98.1
90-180	13.4	1.9

FM-MS60 DISTRIBUTION CURVE (cd/klm)



FM-MS60 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																
ROOM CAVITY RATIO (RCR)	EFFECTIVE FLOOR CAVITY REFLECTANCE 20% ** VALUES ARE EXPRESSED AS LUMENS DELIVERED TO THE TASK SURFACE **															
0	119	119	119	116	116	116	110	110	110	105	105	105	100	100	100	98
1	103	98	94	100	96	92	95	92	89	91	88	86	87	85	83	81
2	89	82	76	87	80	75	83	78	73	79	75	71	76	72	69	67
3	78	70	63	76	68	62	73	66	61	70	64	59	67	62	58	56
4	69	60	53	67	59	53	65	57	52	62	56	51	60	54	50	47
5	61	52	46	60	52	45	58	50	44	56	49	44	54	48	43	41
6	55	46	40	54	46	39	52	45	39	50	44	38	49	43	38	36
7	50	41	35	49	41	35	47	40	34	46	39	34	44	38	34	32
8	46	37	31	45	37	31	43	36	31	42	35	30	41	35	30	28
9	42	34	28	41	33	28	40	33	28	39	32	27	37	31	27	25
10	39	31	25	38	30	25	37	30	25	36	29	25	35	29	25	23

FM-MS60 AVERAGE LUMINANCE (cd/m²)

VERTICAL ANGLE (DEGREES)	C0/180	C90/270
85	742	850
80	657	727
75	664	715
70	685	725
65	706	737
60	724	748
55	738	758
50	750	766
45	760	772