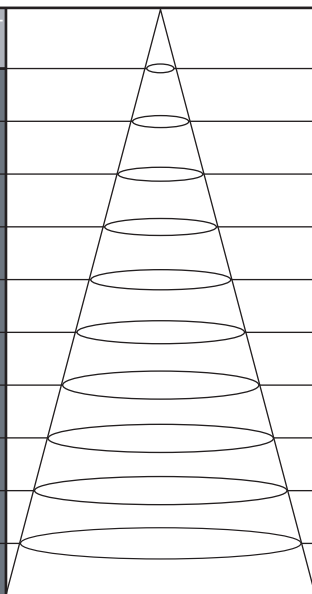


AZURE

NOMINAL SIZE	MODEL	LIGHT OUTPUT	WATTAGE VOLTAGE	COLOR TEMPERATURE	CRI	LIFETIME
12"	FM-MS120	1500 LM	20W/120V	3K & 4K	80+	50,000 HOURS

FM-MS120 FOOTCANDLE DIAGRAM

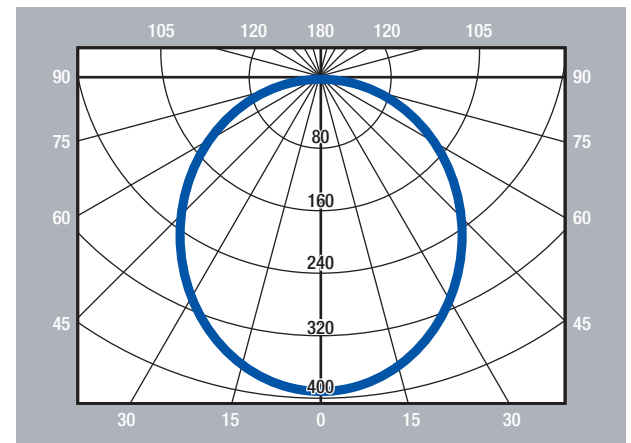
MOUNTING HEIGHT (METERS)	FOOTCANDLES AT NADIR	DIAMETER (CENTIMETERS)
1m	33.38, 175.81x	631.36
2m	18.78, 98.861x	841.81
3m	12.02, 63.271x	1052.26
4m	8.694, 42.721x	1363.62
5m	6.004, 30.821x	1814.53
6m	4.286, 22.981x	2525.43
7m	3.133, 16.701x	3466.34
8m	2.274, 12.191x	4777.24
9m	1.672, 9.021x	6488.15
10m	1.251, 6.541x	8999.05



FM-MS120 ZONAL LUMEN SUMMARY

ZONE	LUMENS	% OF LUMINAIRE
0-30	315.6	18.7
0-40	528.1	31.2
0-60	983.4	58.2
0-90	1438	85.1
90-180	253	14.9

FM-MS120 DISTRIBUTION CURVE (cd/klm)



FM-MS120 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	117	117	117	112	112	112	104	104	104	96	96	96	89	89	89	86
1	98	93	88	94	90	85	87	83	80	81	78	75	75	72	70	67
2	84	76	70	81	74	68	75	69	64	69	64	60	64	60	57	54
3	73	64	57	70	62	56	65	58	53	60	55	50	56	51	47	44
4	64	55	48	62	53	46	57	50	44	53	47	42	49	44	40	37
5	57	48	41	55	46	40	51	44	38	48	41	36	44	39	34	32
6	51	42	35	49	41	34	46	38	33	43	36	31	40	34	30	27
7	46	37	31	45	36	30	42	34	29	39	32	28	36	31	26	24
8	42	33	27	41	32	27	38	31	25	36	29	24	33	28	23	21
9	38	30	24	37	29	24	35	28	23	33	26	22	31	25	21	19
10	35	27	22	34	27	21	32	25	21	30	24	20	28	23	19	17

FM-MS120 AVERAGE LUMINANCE (cd/m²)

VERTICAL ANGLE (DEGREES)	C0/180	C90/270
85	13181	12752
80	8027	7744
75	6429	6158
70	5710	5448
65	5354	5112
60	5165	4931
55	5036	4816
50	4954	4732
45	4871	4670