

filename : ME-M3F  
 meas. number : 2524  
 luminaire number : ME/M3F  
 date / operator : 05-04-2011

**default lamp type(s)**

no of lamps	lamp type	flux / lamp	wattage
1	8w T5 - Emerg operation	108 lm	12 W
1	8w T5 - Mains Operation	185 lm	12 W

**dimensions**

luminaire		luminous area	
length	: 350 mm	length	: 335 mm
width	: 95 mm	width	: 80 mm
height	: 70 mm	height	: 34 mm

**coordinate system**

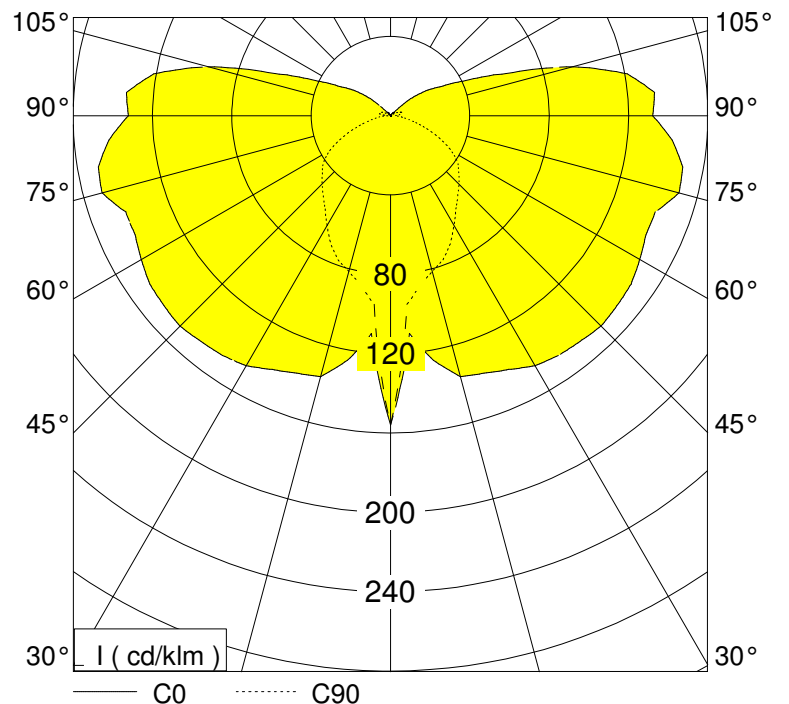
no of planes	: 7	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 90.0 °	last gamma-angle	: 180.0 °
symmetrics	: symmetry to C0 / C90		

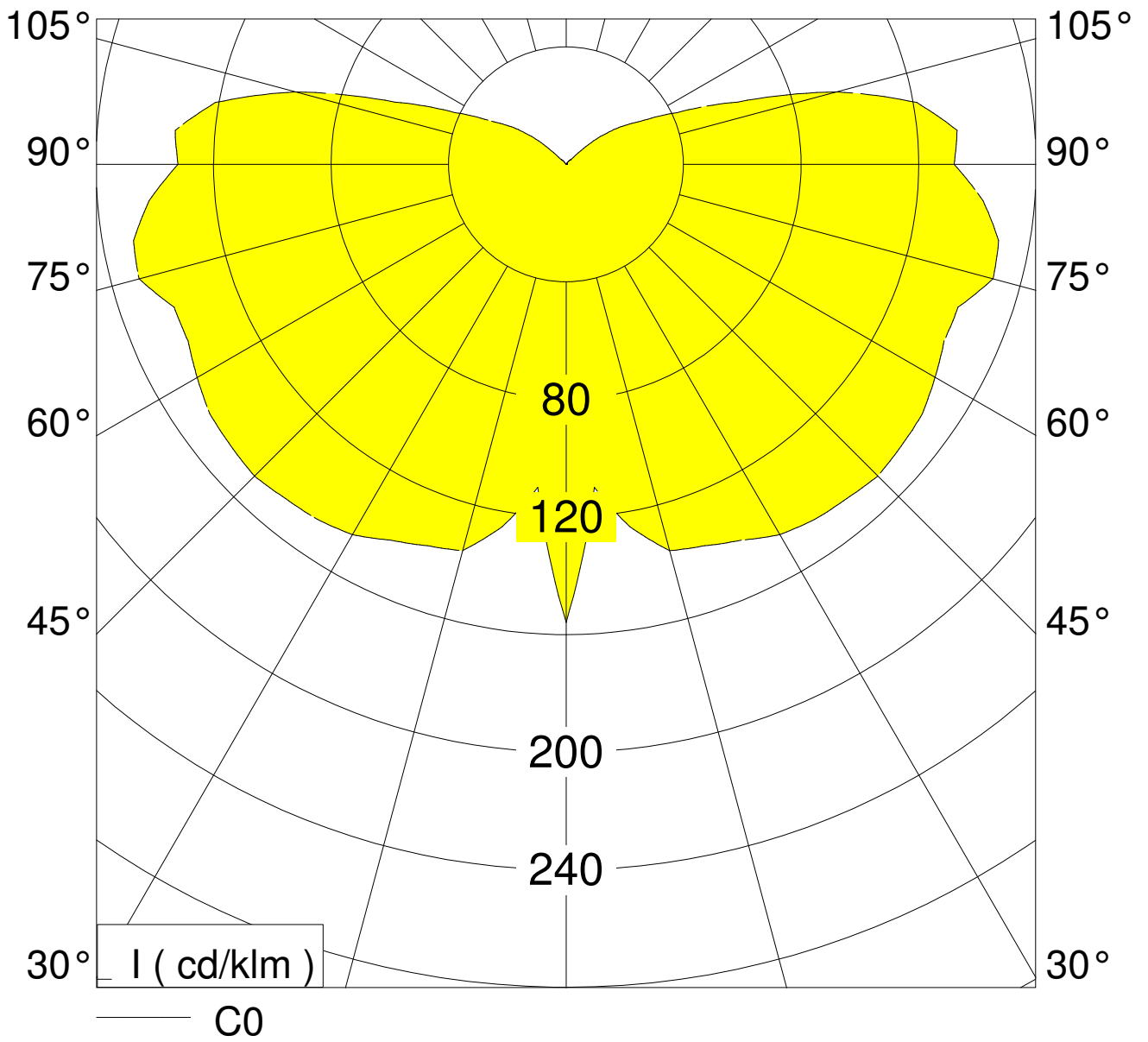
**performance**

light output ratio	: 75.8 %
DFF	: 78.8 %
UFF	: 21.2 %

**classification**

LiTG / DIN	: B21
UTE	: 0.60H+0.16T 0.60J+0.16T
CIE	: 29 56 79 79 76
BZ	: 7777777777





	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0
0.0°	155.80	155.80	155.80	155.80	155.80	155.80	155.80
5.0°	110.20	106.50	102.80	99.20	95.50	95.50	95.40
10.0°	125.10	117.00	108.90	99.20	89.60	88.00	86.30
15.0°	136.00	127.40	118.80	105.10	91.40	86.30	81.20
20.0°	138.00	130.70	123.50	110.20	96.90	87.10	77.30
25.0°	141.00	132.70	124.40	112.20	100.10	85.70	71.20
30.0°	145.40	136.30	127.20	114.30	101.50	82.70	63.90
35.0°	147.40	137.50	127.70	113.70	99.60	78.50	57.40
40.0°	148.40	138.70	129.10	113.20	97.30	75.00	52.70
45.0°	149.90	139.70	129.60	111.40	93.20	71.00	48.80
50.0°	148.90	138.80	128.60	108.20	87.70	66.30	44.90
55.0°	147.90	137.30	126.70	103.60	80.40	60.90	41.40
60.0°	144.90	134.90	124.90	99.20	73.60	54.50	35.40
65.0°	141.90	131.50	121.10	94.80	68.60	48.10	27.60
70.0°	141.90	129.20	116.40	89.30	62.20	40.80	19.40
75.0°	150.40	136.90	123.50	90.70	58.00	35.30	12.50
80.0°	149.40	131.50	113.60	84.00	54.40	30.90	7.30
85.0°	142.40	127.30	112.20	77.10	42.00	23.20	4.30
90.0°	132.00	119.30	106.60	72.70	38.80	20.30	1.70
95.0°	133.50	121.40	109.40	77.80	46.20	24.80	3.50
100.0°	121.10	109.60	98.10	66.60	35.20	20.40	5.60
105.0°	95.30	83.10	70.90	44.80	18.70	12.40	6.00
110.0°	62.00	53.10	44.10	28.20	12.30	8.80	5.20
115.0°	41.70	36.30	31.00	20.50	10.10	7.00	3.90
120.0°	29.30	25.70	22.10	13.50	5.00	3.40	1.70
125.0°	21.80	19.40	16.90	9.80	2.70	2.00	1.30
130.0°	13.40	9.30	5.20	3.30	1.40	1.10	0.90
135.0°	2.50	1.90	1.40	1.20	0.90	0.70	0.40
140.0°	1.50	1.20	0.90	0.70	0.50	0.40	0.40
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm						

<b>glare rating according to UGR</b>										
ρ-ceiling	70	70	50	50	30	70	70	50	50	30
ρ-walls	50	30	50	30	30	50	30	50	30	30
ρ-workplane	20	20	20	20	20	20	20	20	20	20
room dimensions X            Y	viewed crosswise					viewed endwise				
2H            2H	10.8	12.2	11.3	12.8	13.4	6.4	7.8	6.9	8.4	9.0
3H	13.6	15.0	14.2	15.6	16.3	7.8	9.1	8.4	9.7	10.5
4H	15.3	16.6	15.9	17.2	18.0	8.3	9.6	8.9	10.3	11.0
6H	16.9	18.2	17.6	18.9	19.7	8.6	9.9	9.3	10.6	11.4
8H	17.8	19.0	18.4	19.7	20.6	8.8	10.0	9.5	10.8	11.6
12H	18.6	19.8	19.3	20.5	21.4	8.9	10.1	9.6	10.9	11.8
4H            2H	11.3	12.6	12.0	13.3	14.1	8.3	9.6	8.9	10.3	11.1
3H	14.5	15.7	15.2	16.5	17.4	10.0	11.3	10.7	12.0	12.9
4H	16.5	17.7	17.2	18.4	19.4	10.9	12.1	11.6	12.9	13.8
6H	18.1	19.1	18.9	19.9	20.8	11.3	12.3	12.0	13.1	14.0
8H	19.0	20.0	19.8	20.8	21.8	11.5	12.5	12.3	13.3	14.3
12H	20.1	21.0	20.9	21.9	23.0	11.8	12.7	12.6	13.6	14.7
8H            4H	16.6	17.5	17.4	18.3	19.3	12.3	13.3	13.1	14.1	15.1
6H	18.9	19.8	19.8	20.7	21.9	13.5	14.4	14.4	15.3	16.5
8H	20.1	21.0	21.0	21.9	23.2	14.0	14.8	14.9	15.8	17.1
12H	21.1	21.8	22.0	22.8	24.1	14.1	14.9	15.1	15.8	17.1
12H            4H	16.7	17.6	17.6	18.5	19.7	12.9	13.8	13.8	14.7	15.9
6H	19.1	19.9	20.0	20.9	22.2	14.3	15.2	15.2	16.1	17.4
8H	20.1	20.9	21.1	21.8	23.1	14.7	15.4	15.6	16.4	17.7
variation of observer position										
S =	1.0H	+0.1/ -0.1			+0.1/ -0.1					
	1.5H	+0.2/ -0.2			+0.2/ -0.2					
	2.0H	+0.2/ -0.2			+0.3/ -0.4					
standard-table correction for luminaire	----					BKBF -4.1				
correct glare indices for a total flux of 108lm										

<b>utilization factors / TM5</b>											
reflection			room index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	33	39	44	48	53	57	60	64	67
70	30	20	26	32	37	41	47	52	55	60	63
70	10	20	22	27	32	36	42	47	51	56	60
50	50	20	30	35	40	44	49	52	55	58	61
50	30	20	25	30	35	38	44	48	50	55	58
50	10	20	20	25	30	34	39	44	47	51	55
30	50	20	28	32	36	39	44	47	50	53	55
30	30	20	23	27	32	35	40	43	46	50	53
30	10	20	19	23	28	31	36	40	43	47	50
0	0	0	16	20	24	27	31	34	37	40	43
BZ-class			7	7	7	7	7	7	7	7	7
SHRnom : 1.50						SHRmax : 1.630					

