

filename : E-WY-M3F  
 meas. number : 2526  
 luminaire number : E-WY-M3F  
 date / operator : 06-04-2011

**default lamp type(s)**

no of lamps	lamp type	flux / lamp	wattage
1	8w T5 - Emerg operation	125 lm	8 W
1	8w T5 - Mains Operation	154 lm	8 W

**dimensions**

luminaire		luminous area	
length	: 370 mm	length	: 370 mm
width	: 135 mm	width	: 135 mm
height	: 90 mm	height	: 45 mm

**coordinate system**

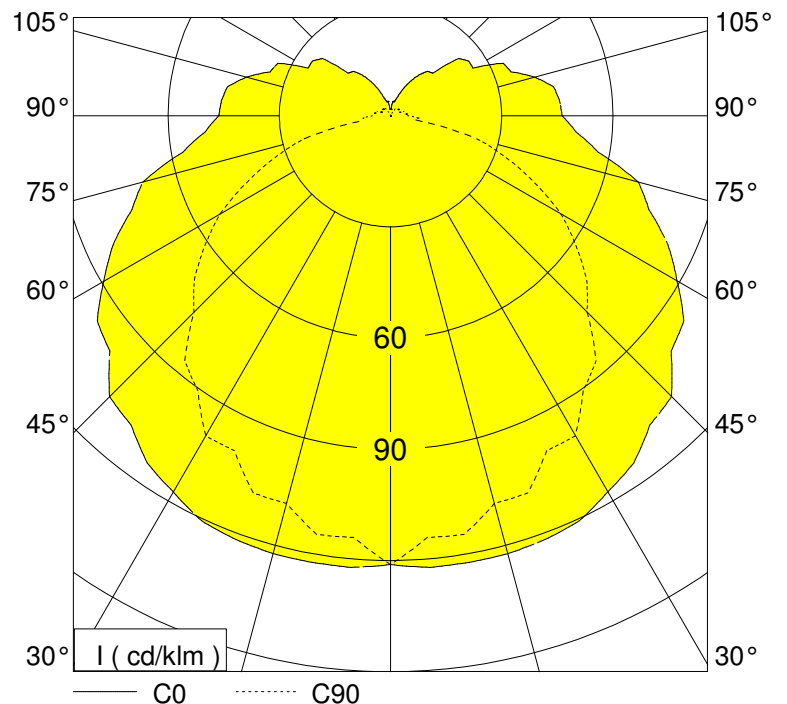
no of planes	: 7	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 90.0 °	last gamma-angle	: 180.0 °
symmetrics	: symmetry to C0 / C90		

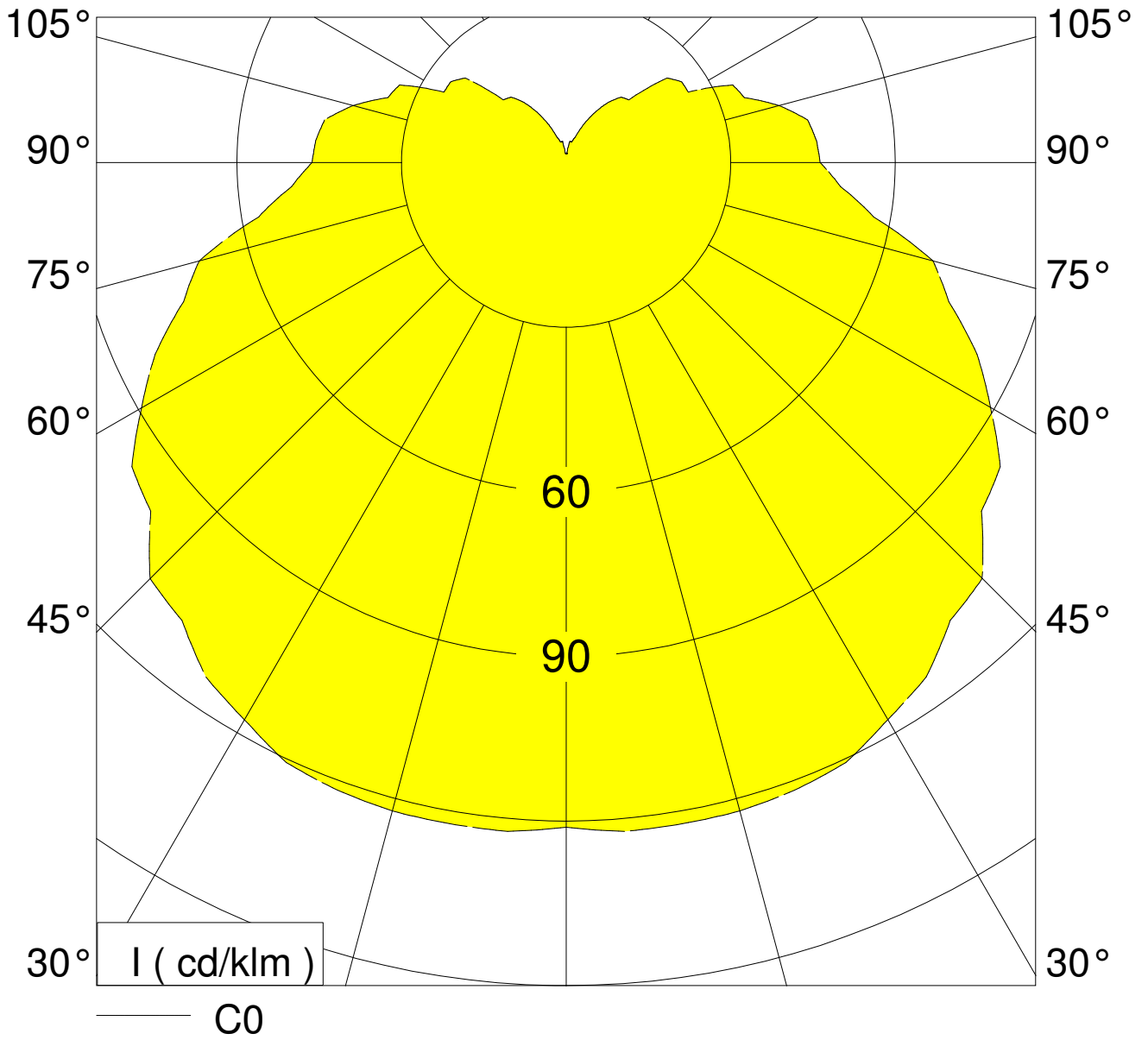
**performance**

light output ratio	: 56.4 %
DFF	: 82.6 %
UFF	: 17.4 %

**classification**

LiTG / DIN	: B31
UTE	: 0.47G+0.10T 0.47H+0.10T
CIE	: 38 67 88 83 56
BZ	: 6 6 6 6 6 6 6 6 6





	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0
0.0°	121.10	121.10	121.10	121.10	121.10	121.10	121.10
5.0°	122.30	121.70	121.10	121.10	121.10	117.70	114.20
10.0°	122.30	122.00	121.70	121.40	121.10	117.90	114.70
15.0°	122.30	122.30	122.30	122.00	121.70	115.00	108.30
20.0°	121.70	121.10	120.60	119.50	118.30	113.30	108.30
25.0°	120.60	119.20	117.80	116.40	114.90	107.30	99.70
30.0°	117.20	115.10	112.90	111.70	110.40	105.10	99.70
35.0°	114.40	113.60	112.80	110.20	107.60	99.10	90.60
40.0°	108.90	107.70	106.60	103.70	100.90	93.60	86.30
45.0°	107.20	103.80	100.50	96.20	91.80	83.40	75.00
50.0°	98.80	97.10	95.50	89.70	84.00	76.50	69.10
55.0°	96.60	92.10	87.60	82.70	77.80	69.40	61.10
60.0°	89.30	86.00	82.60	75.40	68.20	60.60	53.10
65.0°	82.60	79.80	77.00	68.70	60.30	51.60	42.90
70.0°	74.20	71.20	68.10	60.80	53.50	43.40	33.20
75.0°	69.20	64.80	60.30	51.60	42.80	33.50	24.10
80.0°	56.90	56.90	56.90	45.40	33.80	20.40	7.00
85.0°	50.20	46.60	43.00	34.20	25.40	16.40	7.50
90.0°	46.30	41.00	35.70	29.10	22.50	13.40	4.30
95.0°	45.80	41.30	36.80	28.80	20.80	12.60	4.30
100.0°	44.70	39.90	35.20	26.90	18.60	11.40	4.30
105.0°	40.20	35.40	30.70	23.50	16.30	10.30	4.30
110.0°	34.60	31.30	27.90	21.60	15.20	8.90	2.70
115.0°	33.50	28.50	23.40	18.50	13.50	8.10	2.70
120.0°	25.70	23.70	21.80	17.10	12.40	7.50	2.70
125.0°	25.70	22.90	20.10	14.80	9.60	6.10	2.70
130.0°	24.00	20.10	16.20	12.60	9.00	5.80	2.70
135.0°	16.20	14.20	12.30	9.20	6.20	4.40	2.70
140.0°	15.60	13.10	10.60	6.70	2.80	2.70	2.70
145.0°	13.40	8.90	4.50	5.10	5.60	4.20	2.70
150.0°	10.60	6.10	1.70	0.80	0.00	0.00	0.00
155.0°	7.80	4.70	1.70	0.80	0.00	0.00	0.00
160.0°	5.00	3.30	1.70	0.80	0.00	0.00	0.00
165.0°	3.90	2.80	1.70	0.80	0.00	0.00	0.00
170.0°	3.90	2.80	1.70	0.80	0.00	0.00	0.00
175.0°	1.70	1.70	1.70	0.80	0.00	0.00	0.00
180.0°	1.70	1.70	1.70	0.80	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	7.7	9.1	8.2	9.6	10.1	6.3	7.7	6.8	8.2	8.7
3H	9.8	11.0	10.3	11.5	12.1	7.7	8.9	8.2	9.4	10.0
4H	10.9	12.1	11.5	12.7	13.3	8.3	9.5	8.9	10.1	10.7
6H	12.0	13.1	12.6	13.7	14.4	8.6	9.7	9.2	10.3	11.0
8H	12.5	13.6	13.1	14.2	14.9	8.7	9.8	9.3	10.4	11.1
12H	13.0	14.1	13.6	14.8	15.5	8.8	9.9	9.4	10.5	11.2
4H            2H	8.2	9.4	8.8	10.0	10.6	7.2	8.4	7.7	8.9	9.5
3H	10.8	11.9	11.4	12.5	13.2	9.1	10.2	9.7	10.8	11.5
4H	12.1	13.2	12.8	13.9	14.7	9.9	11.0	10.6	11.7	12.5
6H	13.2	14.1	13.9	14.8	15.6	10.2	11.1	10.8	11.7	12.5
8H	13.8	14.7	14.5	15.4	16.2	10.3	11.1	11.0	11.9	12.7
12H	14.5	15.3	15.3	16.1	17.1	10.5	11.4	11.3	12.2	13.1
8H            4H	12.3	13.2	13.0	13.9	14.7	10.4	11.3	11.1	12.0	12.9
6H	14.1	14.9	14.9	15.7	16.7	11.4	12.2	12.2	13.0	14.0
8H	14.9	15.7	15.7	16.5	17.6	11.7	12.5	12.6	13.4	14.5
12H	15.5	16.2	16.4	17.1	18.2	11.9	12.5	12.7	13.4	14.5
12H            4H	12.5	13.3	13.2	14.1	15.1	10.8	11.6	11.5	12.4	13.3
6H	14.2	15.0	15.1	15.9	17.0	11.8	12.6	12.6	13.4	14.5
8H	15.0	15.6	15.8	16.5	17.6	12.1	12.7	12.9	13.6	14.7
variation of observer position										
S =	1.0H	+0.1/ -0.1			+0.1/ -0.1					
	1.5H	+0.1/ -0.1			+0.2/ -0.3					
	2.0H	+0.2/ -0.3			+0.3/ -0.6					
standard-table correction for luminaire	BK10					BKFF				
	-3.3					-7.0				
correct glare indices for a total flux of 125lm										

<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	28	32	36	39	43	46	48	51	53
70	30	20	23	28	32	35	39	43	45	48	50
70	10	20	20	24	28	32	36	39	42	46	48
50	50	20	26	30	34	36	40	43	44	47	49
50	30	20	22	26	30	33	37	40	42	45	47
50	10	20	19	23	27	30	34	37	39	43	45
30	50	20	24	28	31	34	37	39	41	43	45
30	30	20	21	25	28	31	34	37	39	41	43
30	10	20	19	22	26	28	32	35	37	40	42
0	0	0	16	19	23	25	28	31	33	35	37
BZ-class			6	6	6	6	6	6	6	6	6
SHRnom : 1.50						SHRmax : 1.747					

