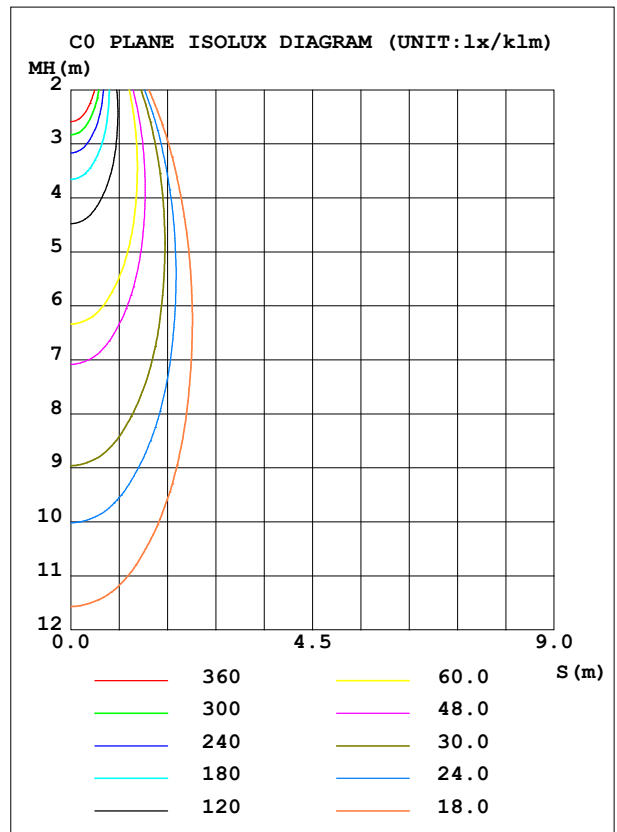
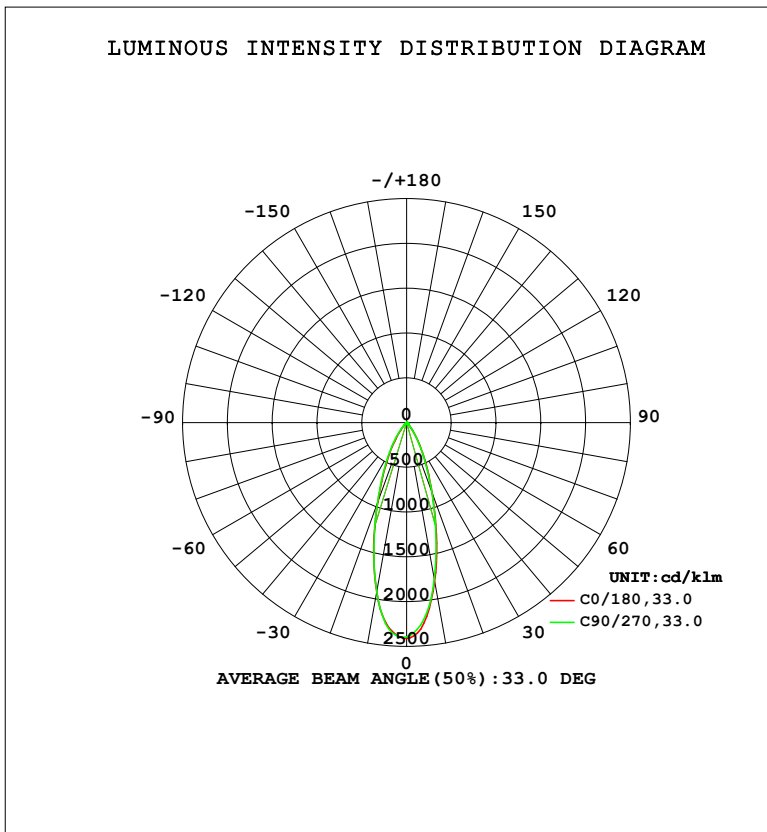


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.87V I:0.1109A P:13.091W PF:0.9846 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1202.23x1 lm		
NAME: 3INCH-15W-1000LM	TYPE:	WEIGHT:
SPEC.: 4000K 90	DIM.:	SERIAL No.:
MFR.: DIRECTLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd/klm)	2410	S/MH (C0/180)	0.57
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.57
RATED VOLTAGE (V)	120	TOTAL FLUX (lm/klm)	1000.0	$\eta$ UP, DN (C0-180)	0.0, 48.7
NOMINAL FLUX (lm)	1202.23	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 51.3
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-03-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1804	1849	1779	1860	1929	1857	1921	1828	0- 10	202.3	202.3	20.2,20.2
20	840.7	875.4	827.9	888.2	946.9	915.2	958.9	869.2	10- 20	369.2	571.5	57.2,57.2
30	300.3	311.5	289.3	314.9	350.0	357.0	383.1	326.2	20- 30	257.5	829.0	82.9,82.9
40	75.70	73.40	68.61	78.89	86.62	96.96	110.2	82.46	30- 40	115.0	944.0	94.4,94.4
50	23.00	21.10	22.03	24.06	23.52	24.28	26.22	24.66	40- 50	31.71	975.7	97.6,97.6
60	9.712	8.780	10.31	11.26	10.11	9.955	11.03	10.72	50- 60	14.72	990.5	99,99
70	3.264	3.449	3.902	4.358	3.524	3.241	3.890	3.630	60- 70	6.559	997.0	99.7,99.7
80	0.9409	1.072	1.493	1.614	1.084	0.9145	1.424	1.259	70- 80	2.506	999.5	100,100
90	0.0405	0.0505	0.0582	0.0489	0.0371	0.0446	0.0375	0.0328	80- 90	0.4663	1000	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-03-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:











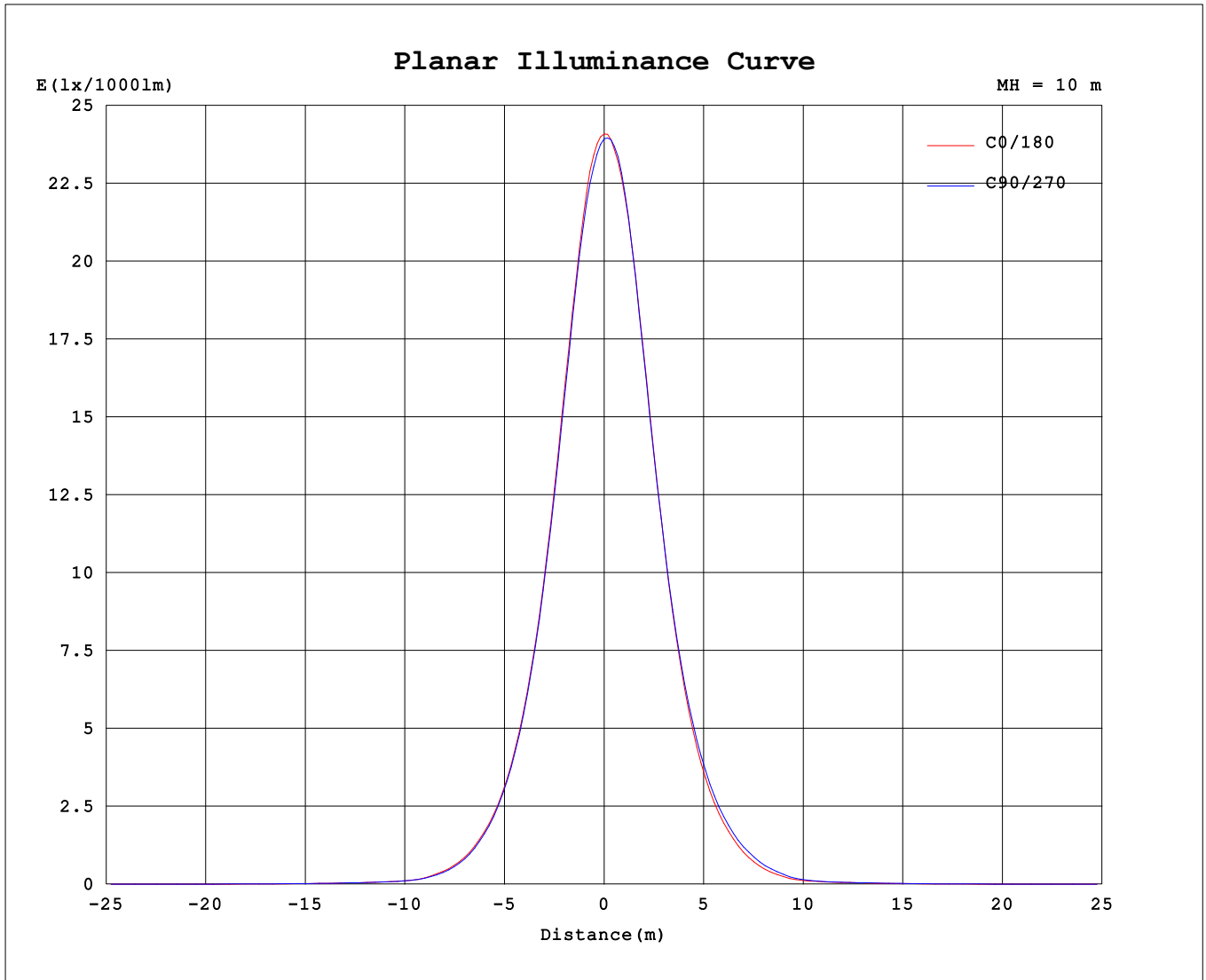








**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-03-20

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

