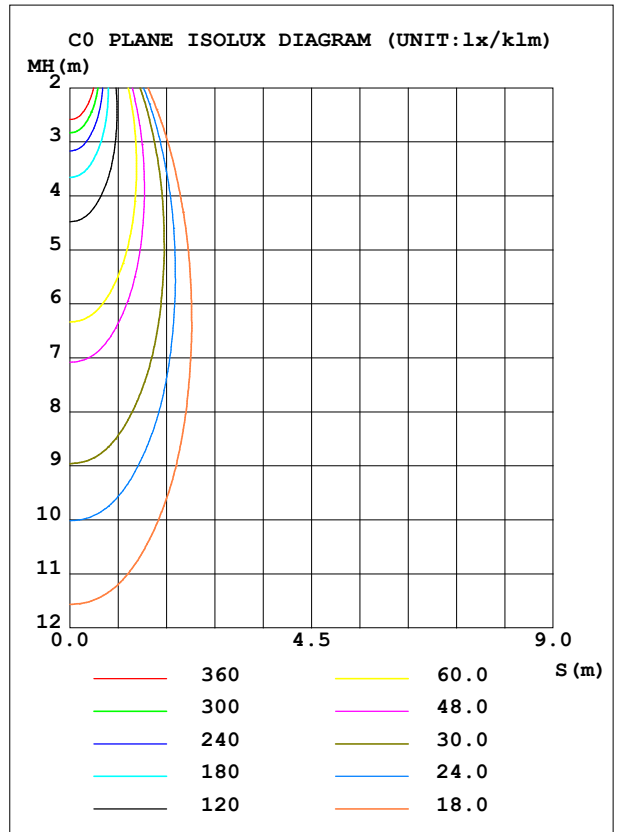
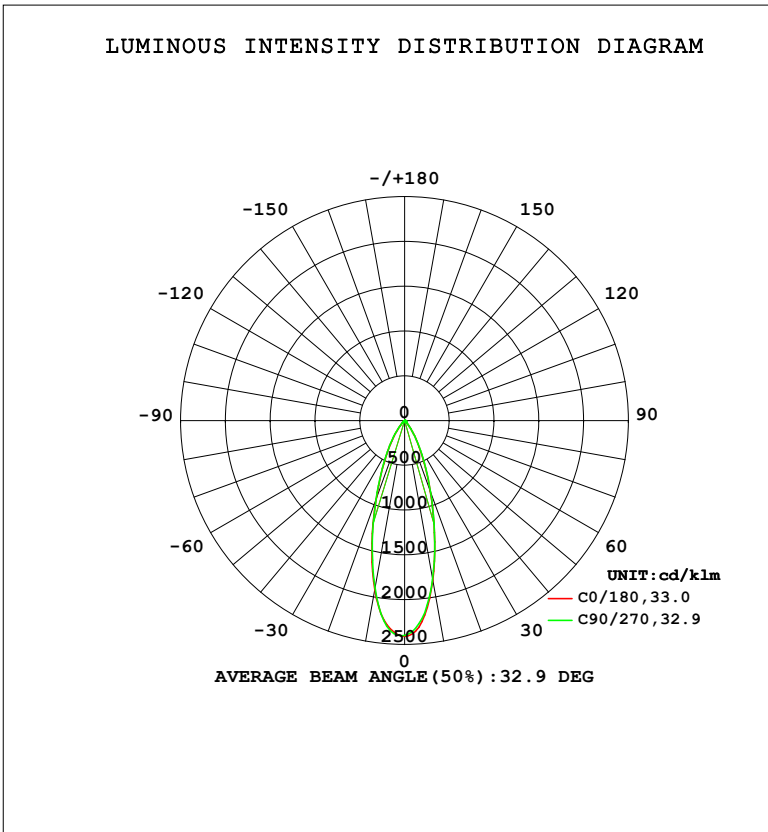


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.88V I:0.1105A P:13.043W PF:0.9844 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1123.53x1 lm		
NAME: 3INCH-15W-1000LM	TYPE:	WEIGHT:
SPEC.: 3500K 90	DIM.:	SERIAL No.:
MFR.: DIRECTLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.14 lm/W
MODEL		I <sub>max</sub> (cd/klm)	2409	S/MH (C0/180)		0.56
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)		0.56
RATED VOLTAGE (V)	120	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)		0.0,49.6
NOMINAL FLUX (lm)	1123.53	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.0,50.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	120	η 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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1812	1865	1803	1879	1919	1844	1903	1832	0- 10	202.7	202.7	20.3,20.3
20	843.2	898.4	851.1	903.8	939.3	891.0	933.9	859.8	10- 20	369.7	572.4	57.2,57.2
30	303.1	325.9	304.4	324.2	343.0	339.3	363.0	318.5	20- 30	257.2	829.7	83,83
40	75.36	79.99	74.10	78.83	87.39	89.46	100.7	81.28	30- 40	114.6	944.3	94.4,94.4
50	22.76	21.75	22.53	24.13	23.45	23.68	25.39	24.48	40- 50	31.58	975.8	97.6,97.6
60	9.558	8.806	10.46	11.28	10.06	9.857	10.94	10.74	50- 60	14.68	990.5	99.1,99.1
70	3.216	3.397	3.853	4.319	3.526	3.291	3.928	3.629	60- 70	6.536	997.0	99.7,99.7
80	0.9120	1.045	1.466	1.584	1.088	0.9356	1.457	1.242	70- 80	2.495	999.5	100,100
90	0.0397	0.0418	0.0447	0.0484	0.0335	0.0344	0.0394	0.0351	80- 90	0.4603	1000.0	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:











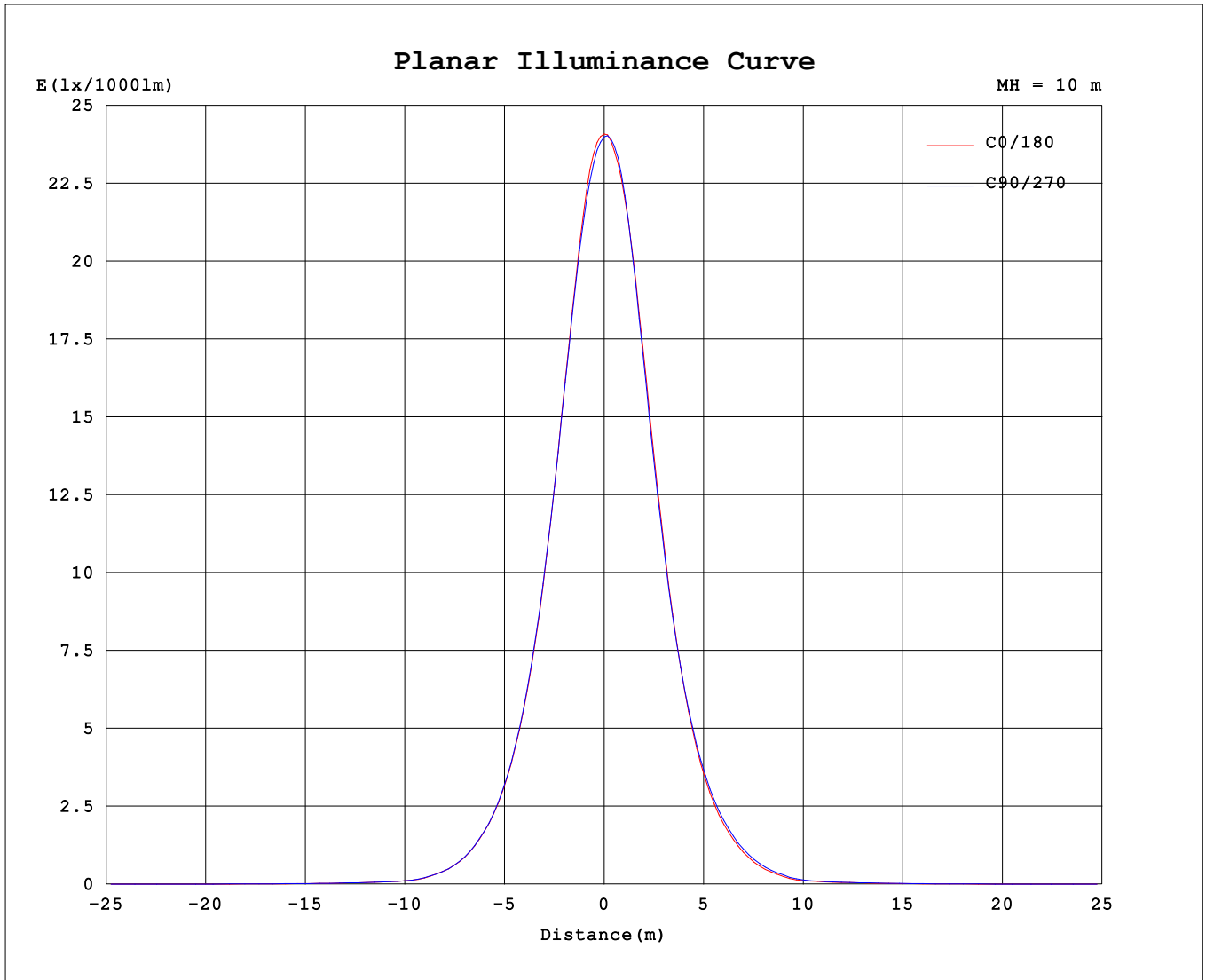








**Planar Illuminance Curve**



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:

