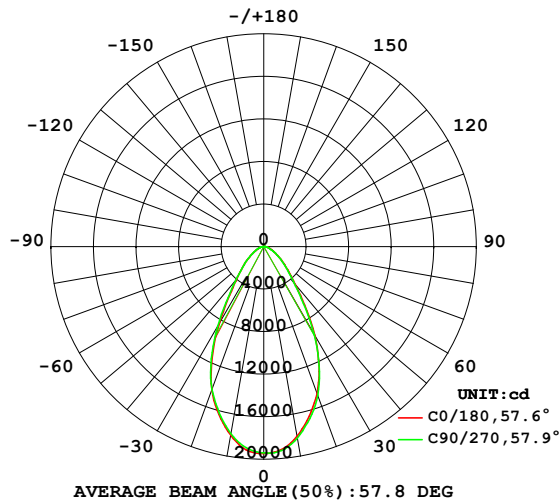


## LUMINAIRE PHOTOMETRIC TEST REPORT

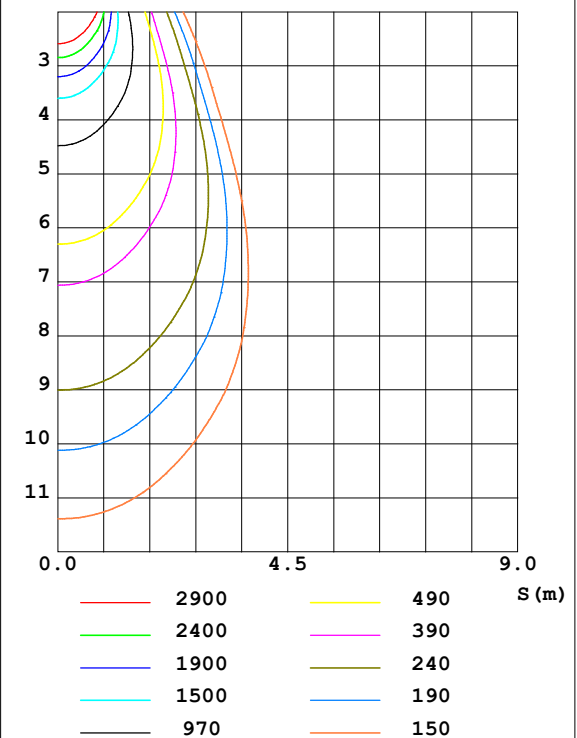
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 210.55 lm/W			
MODEL	UFO100W-60D	Imax(cd)	19462	S/MH(C0/180)	0.90
NOMINAL POWER(W)	100.1	LOR(%)	100.0	S/MH(C90/270)	0.90
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	21076	$\eta$ UP,DN(C0-180)	0.0,52.1
NOMINAL FLUX(lm)	21076.1	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,47.9
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.8	$\eta$ down(%)	100.0	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: chen xue chang  
 Test Date: 2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 7.600m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1810	1827	1800	1785					0- 10	1792	1792	8.5, 8.5
20	1469	1488	1430	1428					10- 20	4595	6387	30.3, 30.3
30	958.1	946.9	841.1	871.5					20- 30	5435	11822	56.1, 56.1
40	458.5	443.4	393.6	403.9					30- 40	3932	15754	74.7, 74.7
50	248.7	240.3	214.8	217.8					40- 50	2419	18173	86.2, 86.2
60	130.7	125.3	108.3	111.6					50- 60	1506	19679	93.4, 93.4
70	66.01	62.60	51.38	54.11					60- 70	848.4	20527	97.4, 97.4
80	32.69	24.41	15.03	18.77					70- 80	434.1	20961	99.5, 99.5
90	7.062	7.008	5.807	5.753					80- 90	114.7	21076	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: $\times 10\text{cd}$									UNIT: lm		

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: chen xue chang  
 Test Date: 2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 7.600m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

```

# WEC AND CCEC

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi$ 260*H150MM	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi$ 0.26	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.220	.125	.040	.213	.121	.039	.200	.115	.037	.188	.109	.035	.178	.103	.033		
2.0	.210	.115	.035	.204	.112	.035	.193	.107	.033	.183	.103	.032	.174	.098	.031		
3.0	.198	.105	.032	.193	.103	.031	.184	.100	.030	.175	.096	.029	.167	.092	.029		
4.0	.187	.097	.029	.182	.095	.028	.174	.092	.028	.166	.089	.027	.159	.086	.026		
5.0	.176	.090	.026	.172	.088	.026	.165	.086	.025	.158	.083	.025	.152	.081	.024		
6.0	.166	.083	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023	.144	.076	.023		
7.0	.157	.078	.022	.154	.077	.022	.148	.075	.022	.143	.073	.021	.138	.072	.021		
8.0	.149	.073	.020	.146	.072	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020		
9.0	.141	.068	.019	.139	.068	.019	.134	.066	.019	.130	.065	.019	.126	.064	.018		
10.0	.134	.064	.018	.132	.064	.018	.128	.063	.018	.124	.062	.018	.120	.061	.017		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.141	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.151	.114	.084	.129	.098	.073	.089	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.041	.048	.035	.024	.016	.011	.008	
5.0	.133	.088	.055	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.114	.066	.033	.098	.057	.029	.068	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.108	.061	.029	.093	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.103	.057	.026	.089	.049	.022	.062	.035	.016	.036	.020	.009	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:chen xue chang  
Test Date:2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:7.600m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

NAME: LED High Bay					TYPE:					WEIGHT:				
DIM.: $\Phi 260 \times H150MM$					SPEC.:					SERIAL No.:				
MFR.:					SUR.: $\Phi 0.26$					PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3				
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3				
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
Room dimensions					Viewed crosswise					Viewed endwise				
x = 2H y = 2H					25.4	26.6	25.7	26.7	26.9	25.3	26.4	25.5	26.6	26.8
3H					26.0	27.1	26.3	27.3	27.5	25.8	26.9	26.1	27.1	27.3
4H					26.3	27.3	26.6	27.5	27.8	26.1	27.1	26.4	27.3	27.6
6H					26.6	27.5	26.9	27.8	28.0	26.3	27.2	26.6	27.5	27.7
8H					26.7	27.6	27.0	27.8	28.1	26.3	27.2	26.6	27.5	27.7
12H					26.7	27.5	27.0	27.8	28.1	26.3	27.2	26.6	27.5	27.7
4H 2H					25.6	26.6	25.9	26.8	27.1	25.5	26.5	25.8	26.7	27.0
3H					26.4	27.3	26.7	27.5	27.8	26.2	27.1	26.6	27.4	27.7
4H					26.8	27.6	27.1	27.9	28.2	26.6	27.4	27.0	27.7	28.0
6H					27.2	27.9	27.6	28.3	28.6	26.9	27.6	27.3	27.9	28.3
8H					27.3	28.0	27.7	28.3	28.7	27.0	27.6	27.4	28.0	28.3
12H					27.4	28.0	27.8	28.4	28.8	27.0	27.6	27.4	28.0	28.4
8H 4H					26.9	27.6	27.3	27.9	28.3	26.7	27.4	27.1	27.7	28.1
6H					27.5	28.0	27.9	28.4	28.8	27.1	27.7	27.6	28.1	28.5
8H					27.6	28.1	28.1	28.5	29.0	27.3	27.7	27.7	28.1	28.6
12H					27.7	28.1	28.2	28.6	29.0	27.3	27.7	27.8	28.2	28.6
12H 4H					26.9	27.5	27.3	27.9	28.3	26.7	27.3	27.1	27.7	28.1
6H					27.5	27.9	27.9	28.4	28.8	27.2	27.6	27.6	28.0	28.5
8H					27.7	28.1	28.1	28.5	29.0	27.3	27.7	27.8	28.1	28.6
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.7					+ 0.6 / - 0.8				
1.5H					+ 0.7 / - 0.4					+ 0.7 / - 0.5				
2.0H					+ 1.0 / - 0.7					+ 1.1 / - 0.8				

CIE Pub.117 Corrected 21076 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.6)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: chen xue chang  
Test Date: 2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 7.600m [K=1.0000]  
Remarks:

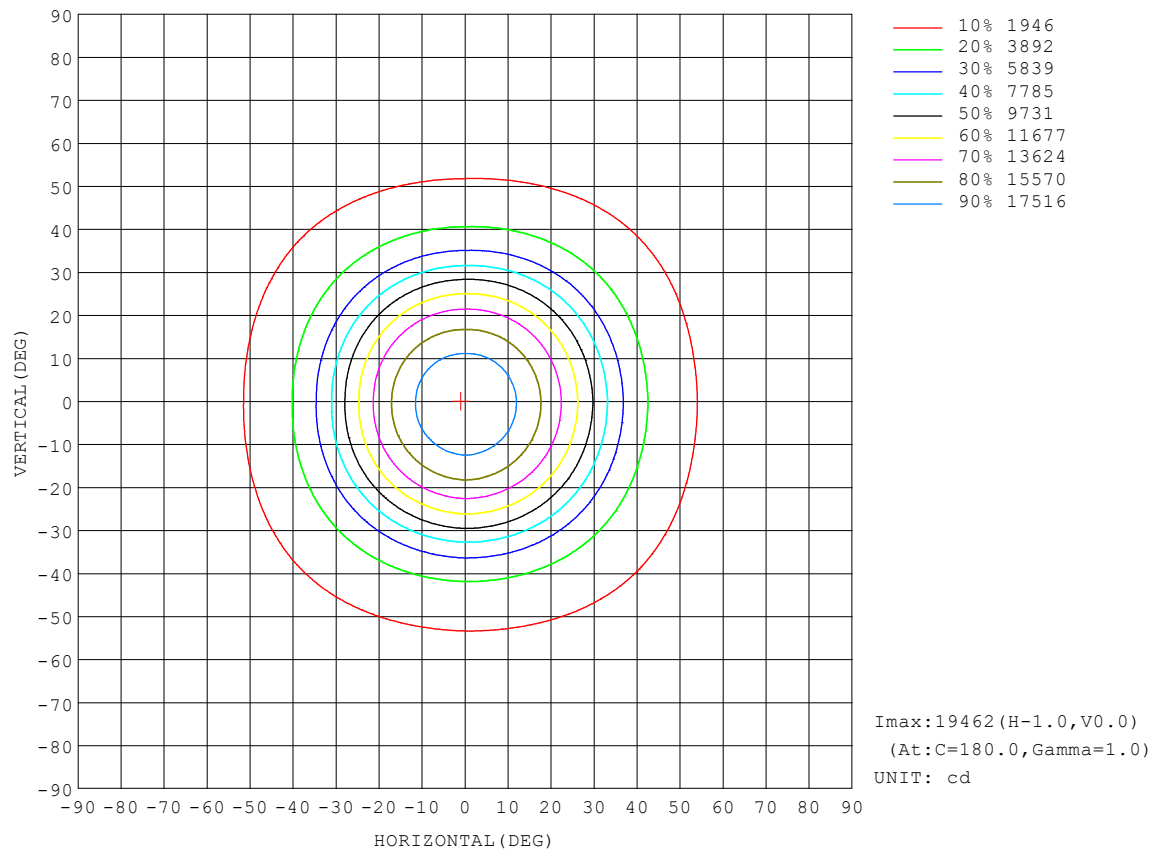
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

```

## ISOCANDELA DIAGRAM

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	PROTECTION ANGLE:

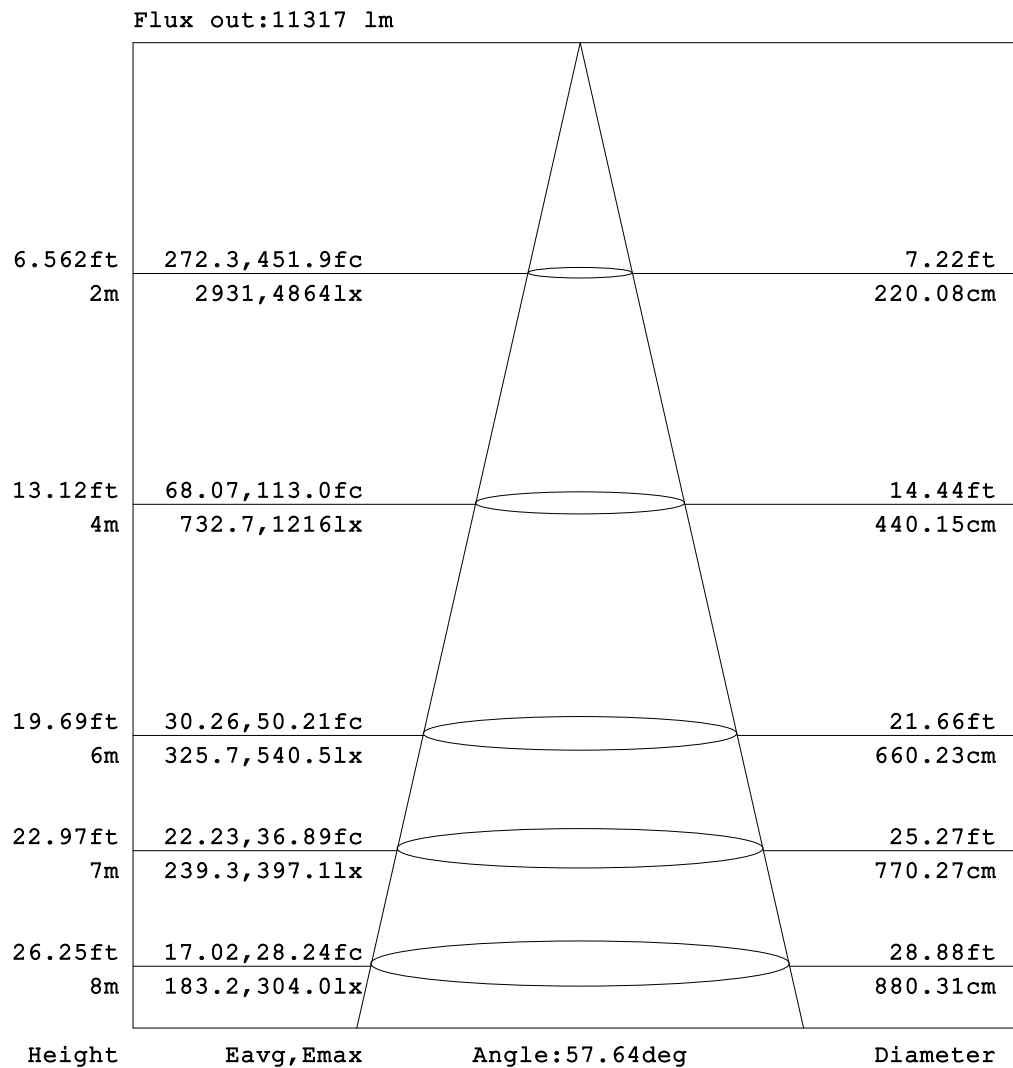


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:chen xue chang  
Test Date:2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity:65.0%  
Test Distance:7.600m [K=1.0000]  
Remarks:

### AAI Figure

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	PROTECTION ANGLE:



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

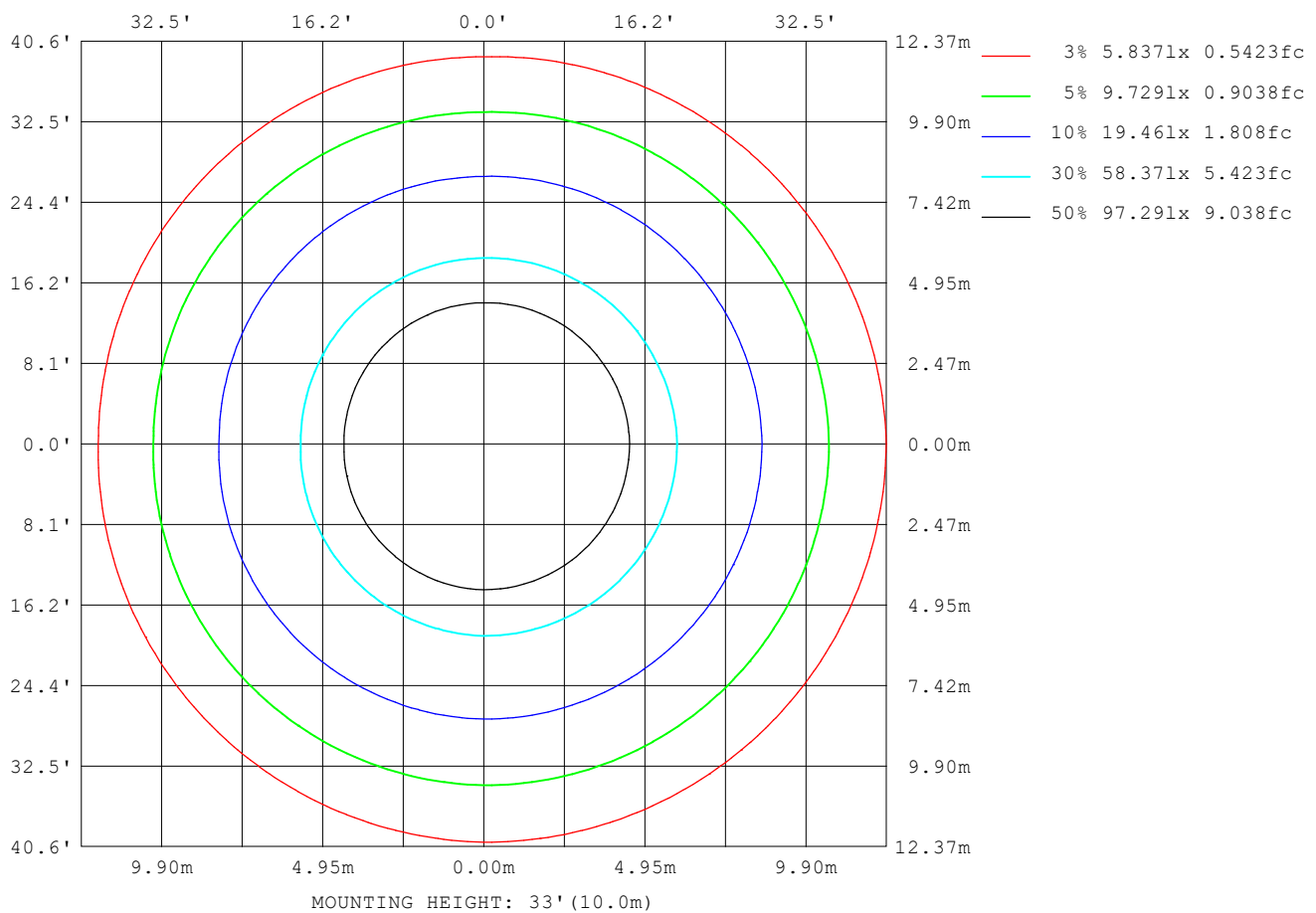
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: chen xue chang  
Test Date: 2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 7.600m [K=1.0000]  
Remarks:



## ISOLUX DIAGRAM

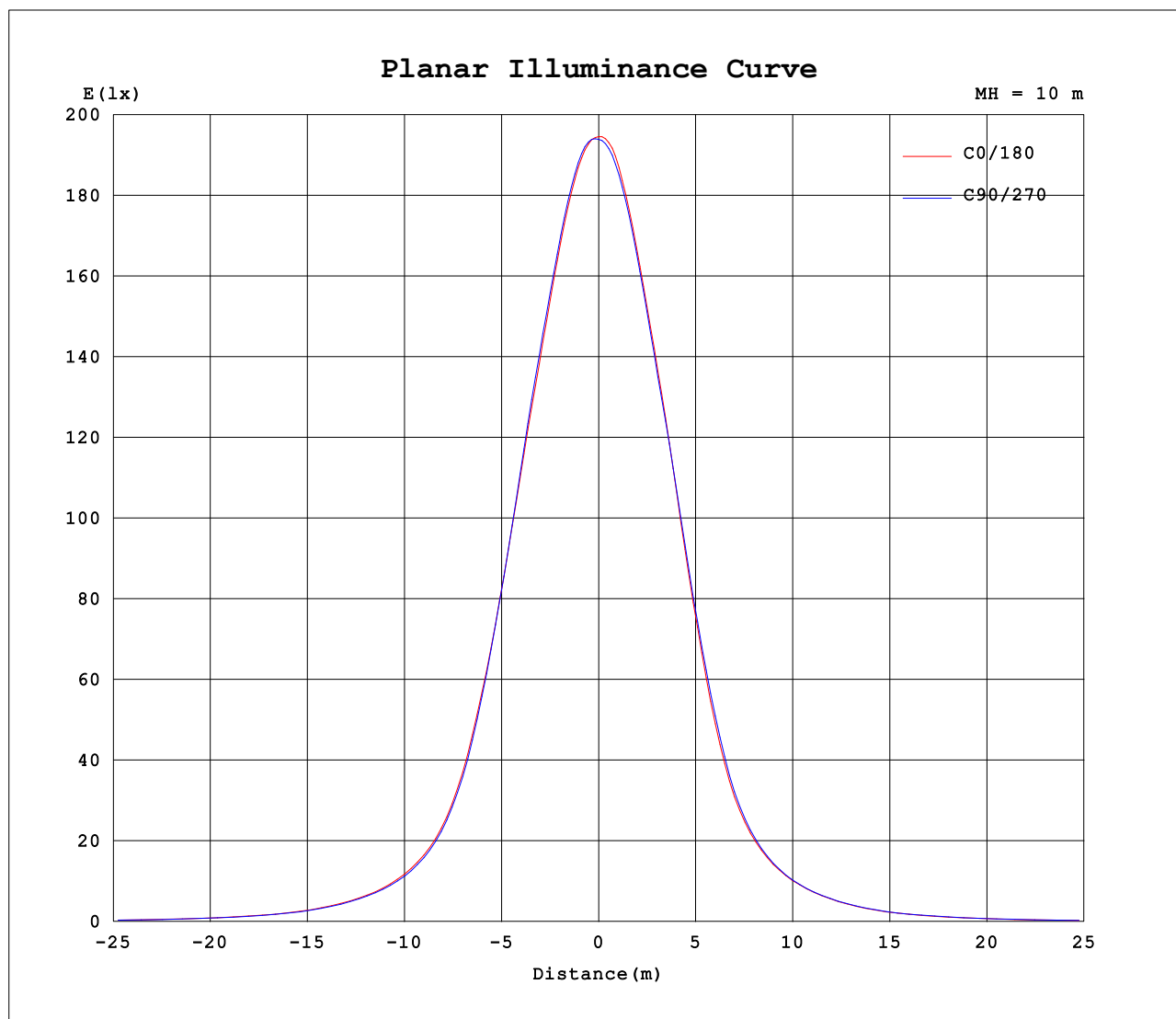
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: chen xue chang  
 Test Date: 2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 7.600m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: chen xue chang  
Test Date: 2022-05-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.269  
Humidity: 65.0%  
Test Distance: 7.600m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.600m [K=1.0000]
Remarks:

```