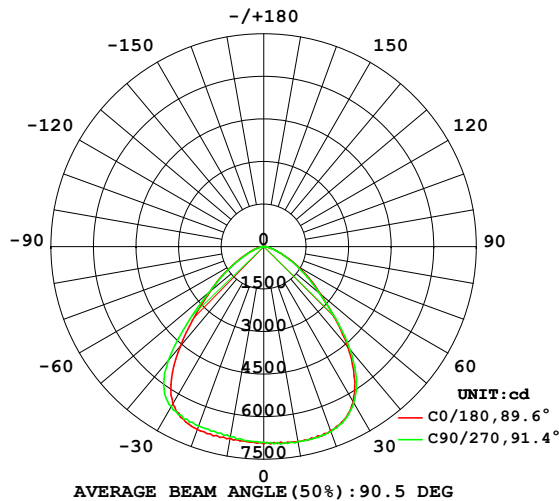


LUMINAIRE PHOTOMETRIC TEST REPORT

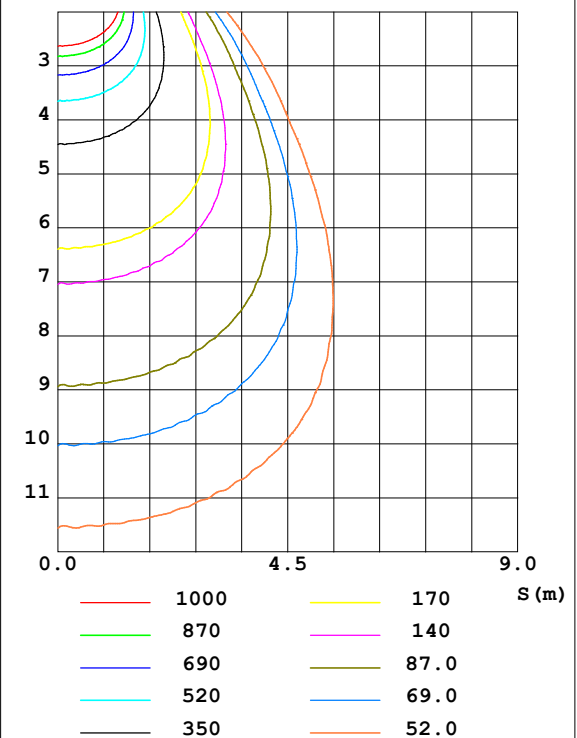
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 260 \times H150\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.26$	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.55 lm/W			
MODEL	UFO-100W-90D	Imax(cd)	7010	S/MH(C0/180)	1.27
NOMINAL POWER(W)	99.5	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	14881	η UP,DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	14880.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	232.5	η down(%)	100.0	CIBSE SHR MAX	1.35

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: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	6976	6983	6869	6824					0- 10	660.3	660.3	4.44,4.44
20	6893	6951	6854	6721					10- 20	1954	2614	17.6,17.6
30	6324	6345	6415	6518					20- 30	3089	5703	38.3,38.3
40	4600	4736	4555	5235					30- 40	3566	9269	62.3,62.3
50	2638	2553	2480	2522					40- 50	2770	12039	80.9,80.9
60	1370	1308	1176	1136					50- 60	1656	13695	92,92
70	540.2	538.0	445.1	407.5					60- 70	806.9	14502	97.5,97.5
80	159.3	173.8	106.2	77.24					70- 80	304.2	14806	99.5,99.5
90	54.46	53.93	44.14	44.07					80- 90	74.46	14881	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									UNIT:lm		

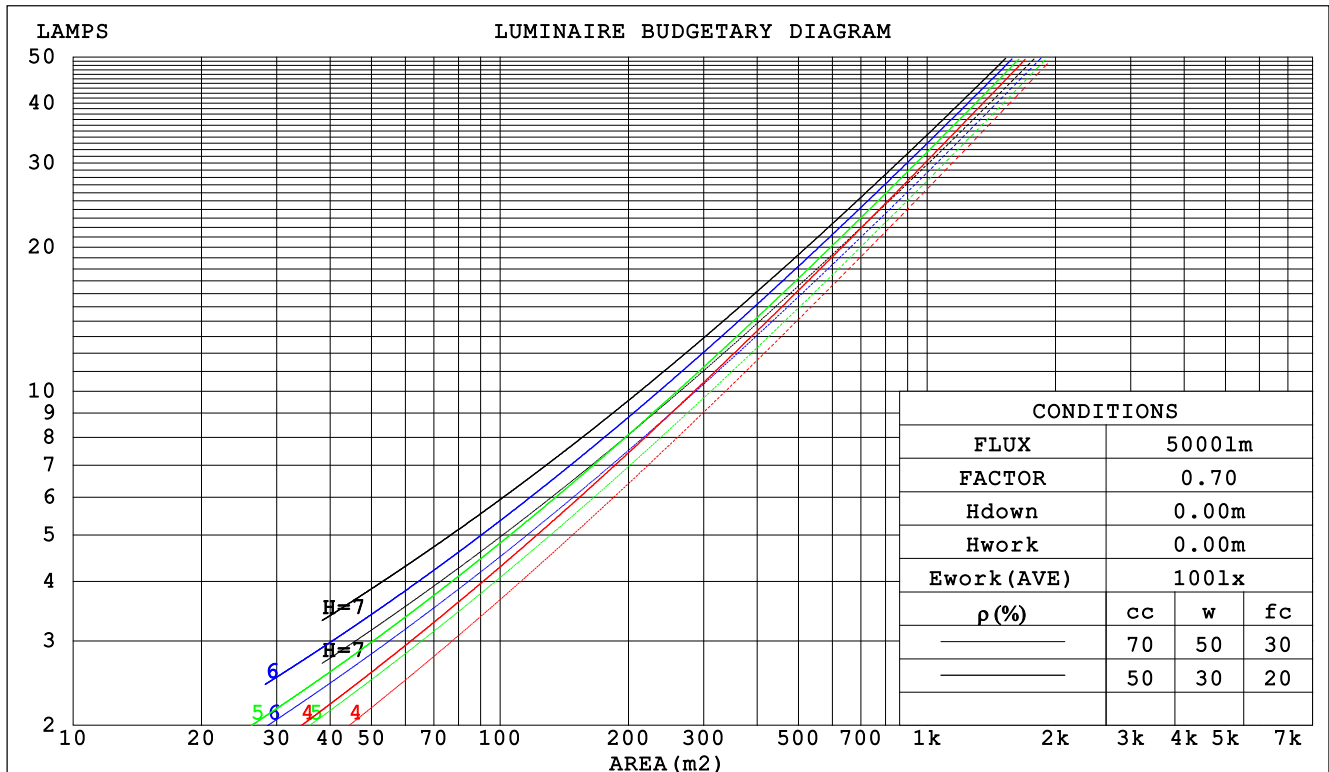
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:chen xue chang
 Test Date:2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:6.700m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\varnothing 260 \times H150\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\varphi 0.26$	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.91	.89
2.0	.96	.91	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.72	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.68	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.50	.60	.54	.50	.59	.54	.50	.48
7.0	.59	.51	.46	.58	.51	.46	.57	.50	.45	.55	.49	.45	.54	.49	.45	.43
8.0	.54	.47	.41	.54	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.39
9.0	.50	.43	.38	.50	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.34	.32



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\varnothing 260 \times H150mm$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\varphi 0.26$	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.243	.138	.044	.236	.135	.043	.223	.128	.041	.211	.122	.039	.200	.116	.037		
2.0	.236	.129	.040	.230	.126	.039	.218	.121	.038	.208	.117	.037	.199	.112	.035		
3.0	.224	.119	.036	.219	.117	.035	.209	.113	.034	.200	.109	.034	.191	.106	.033		
4.0	.211	.110	.032	.207	.108	.032	.198	.105	.031	.190	.102	.031	.182	.099	.030		
5.0	.199	.101	.029	.195	.100	.029	.187	.098	.029	.180	.095	.028	.174	.093	.028		
6.0	.188	.094	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	.165	.087	.026		
7.0	.177	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.081	.024		
8.0	.167	.082	.023	.164	.081	.023	.159	.079	.023	.154	.078	.022	.149	.077	.022		
9.0	.158	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.142	.072	.021		
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.020		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.176	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.081	.133	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.147	.100	.064	.127	.087	.056	.087	.060	.039	.050	.035	.023	.016	.012	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.115	.070	.037	.079	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.116	.063	.027	.100	.055	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:chen xue chang
Test Date:2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: LED High Bay					TYPE:					WEIGHT:				
DIM.: $\varnothing 260 \times H150\text{mm}$					SPEC.:					SERIAL No.:				
MFR.:					SUR.: $\varnothing 0.26$					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	2H	26.7	28.0	26.9	28.2	28.4	26.6	27.9	26.9	28.1	28.3			
	3H	27.1	28.3	27.3	28.5	28.7	27.0	28.2	27.3	28.4	28.6			
	4H	27.2	28.3	27.5	28.5	28.8	27.1	28.2	27.4	28.5	28.7			
	6H	27.2	28.3	27.5	28.5	28.8	27.2	28.2	27.5	28.5	28.7			
	8H	27.2	28.2	27.5	28.5	28.8	27.2	28.2	27.5	28.4	28.7			
	12H	27.2	28.1	27.5	28.4	28.7	27.1	28.1	27.5	28.4	28.7			
4H	2H	26.8	28.0	27.1	28.2	28.5	26.8	27.9	27.1	28.1	28.4			
	3H	27.4	28.3	27.7	28.6	28.9	27.3	28.3	27.6	28.6	28.9			
	4H	27.5	28.4	27.9	28.7	29.1	27.5	28.4	27.8	28.7	29.0			
	6H	27.6	28.4	28.0	28.7	29.1	27.6	28.4	28.0	28.7	29.1			
	8H	27.6	28.3	28.0	28.7	29.1	27.6	28.3	28.0	28.7	29.1			
	12H	27.6	28.3	28.0	28.7	29.1	27.6	28.3	28.0	28.7	29.1			
8H	4H	27.5	28.3	27.9	28.6	29.0	27.5	28.2	27.9	28.6	29.0			
	6H	27.7	28.3	28.1	28.7	29.1	27.7	28.3	28.1	28.7	29.1			
	8H	27.7	28.2	28.2	28.7	29.1	27.7	28.2	28.2	28.7	29.1			
	12H	27.7	28.2	28.2	28.6	29.1	27.8	28.2	28.2	28.7	29.1			
12H	4H	27.5	28.2	27.9	28.5	28.9	27.5	28.1	27.9	28.5	28.9			
	6H	27.7	28.2	28.1	28.6	29.1	27.7	28.2	28.1	28.6	29.0			
	8H	27.7	28.2	28.2	28.6	29.1	27.7	28.2	28.2	28.6	29.1			
Variations with the observer position at spacings:														
S = 1.0H		+ 0.7 / - 0.9					+ 0.7 / - 1.0							
1.5H		+ 0.5 / - 0.4					+ 0.6 / - 0.5							
2.0H		+ 1.4 / - 1.4					+ 1.5 / - 1.3							

CIE Pub.117 Corrected 14881 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.4)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

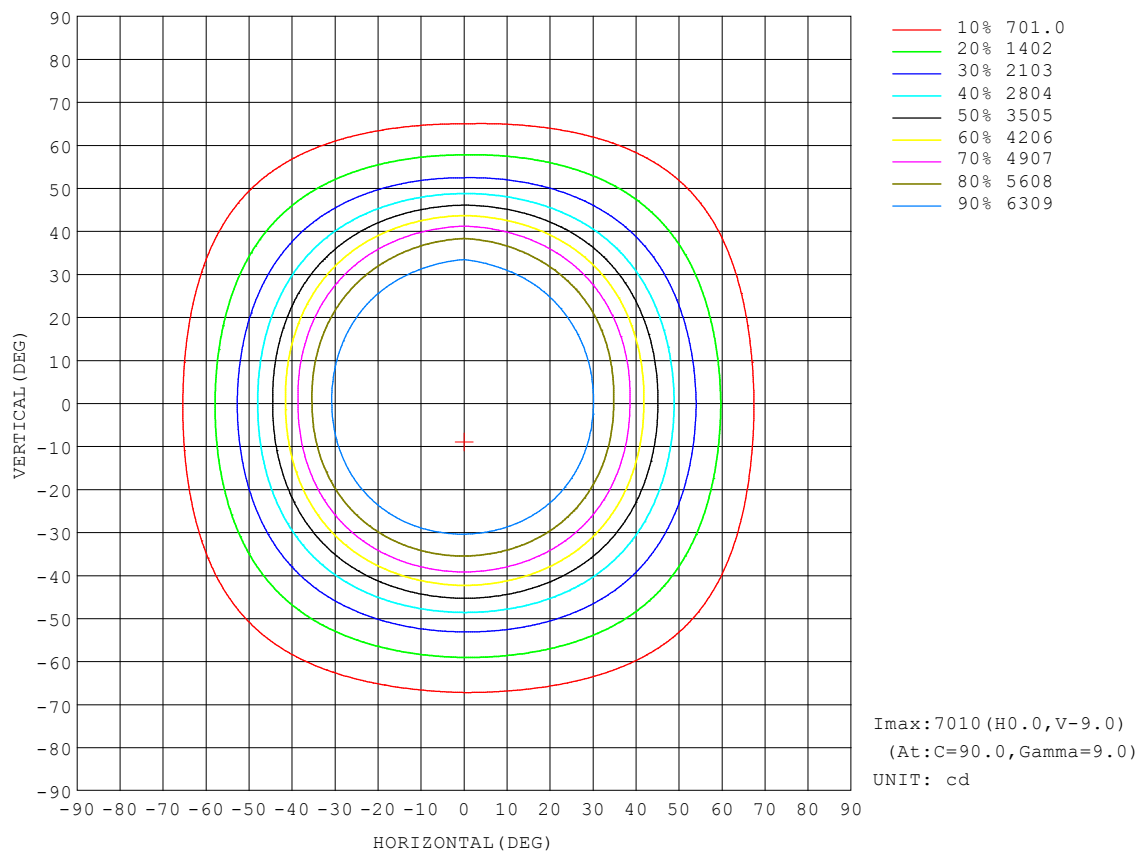
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.700m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 260 \times H150\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.26$	PROTECTION ANGLE:

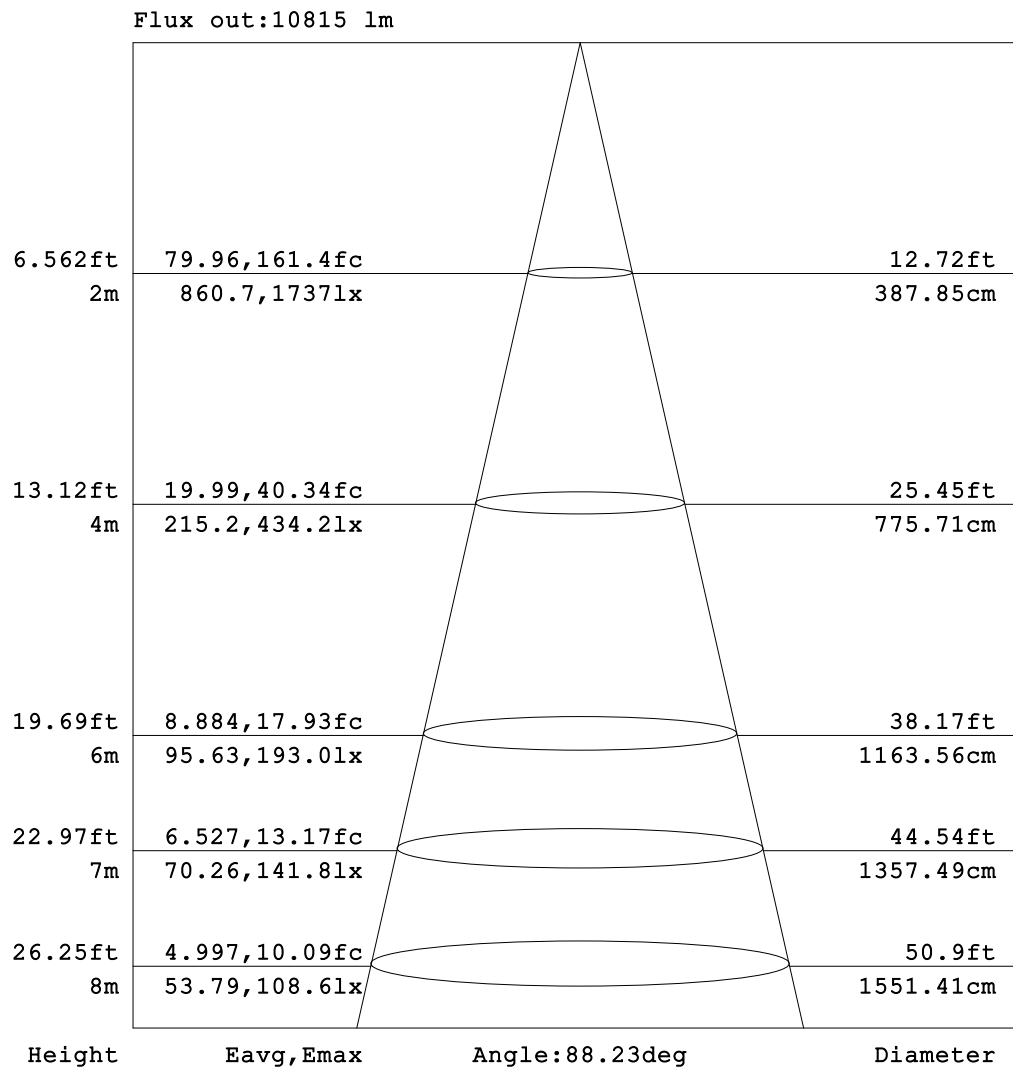


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

AAI Figure

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 260 \times H150\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.26$	PROTECTION ANGLE:



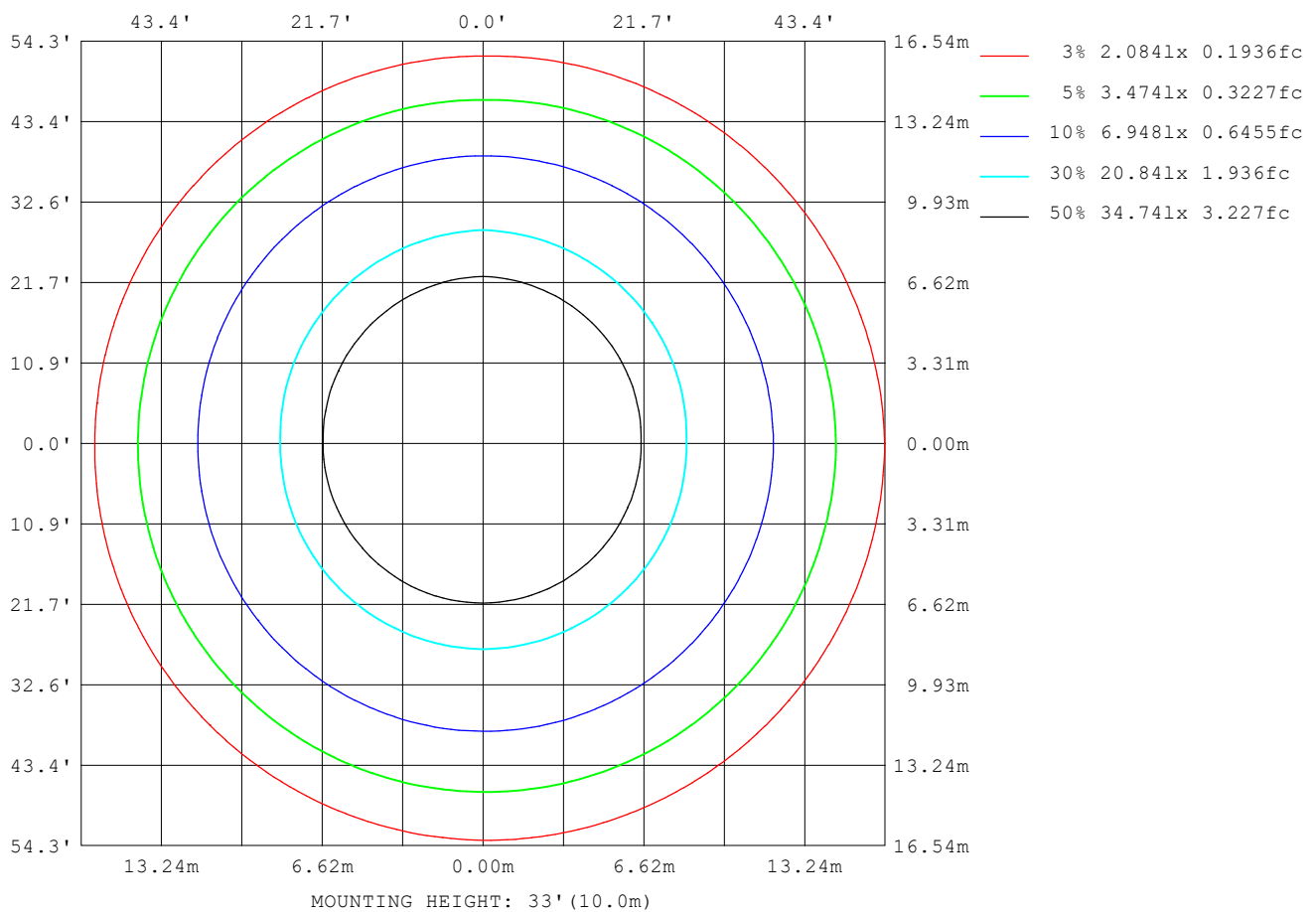
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

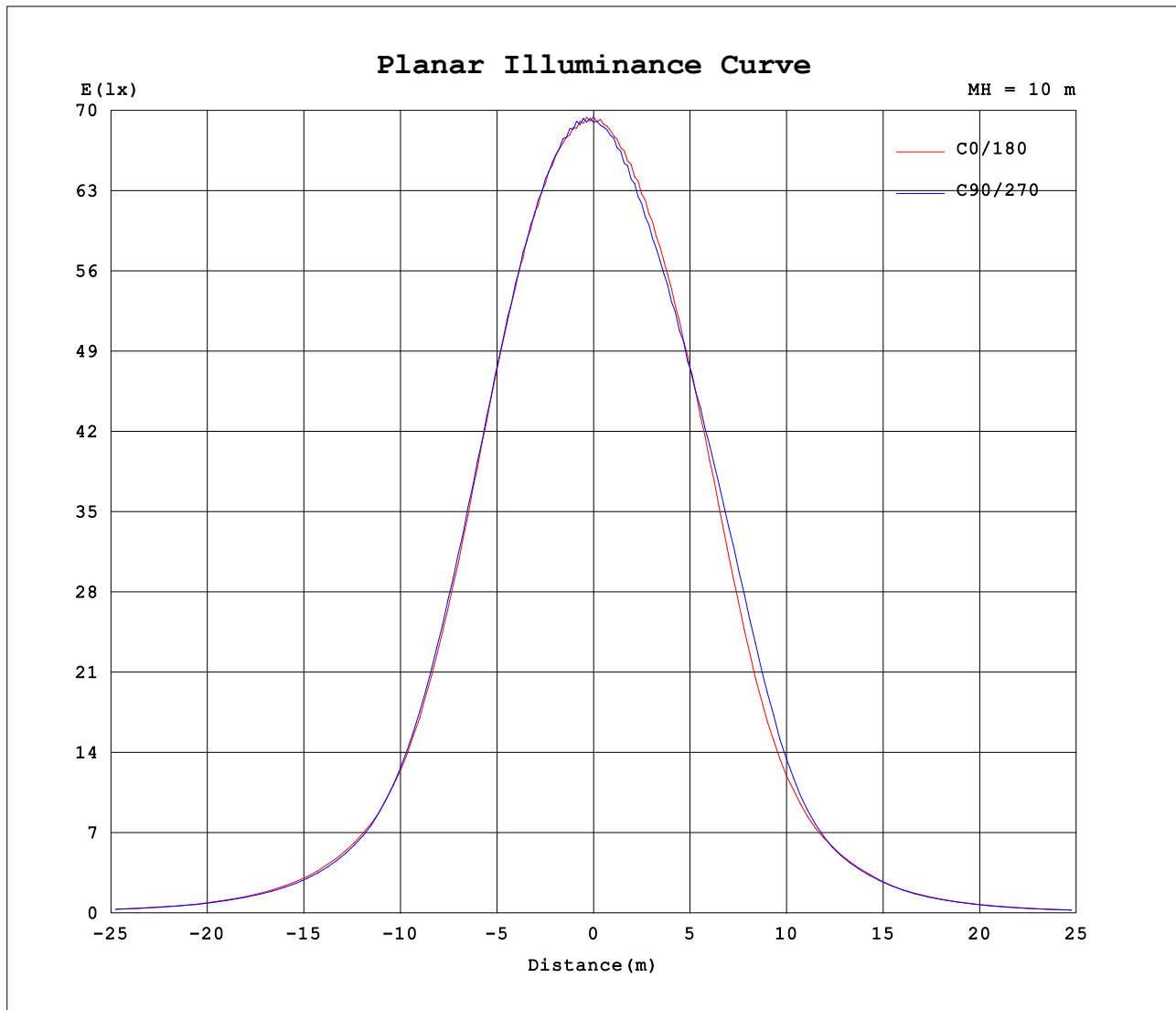
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 260 \times H150mm$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.26$	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [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: 2022-04-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.700m [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:6.700m [K=1.0000]
Remarks:

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