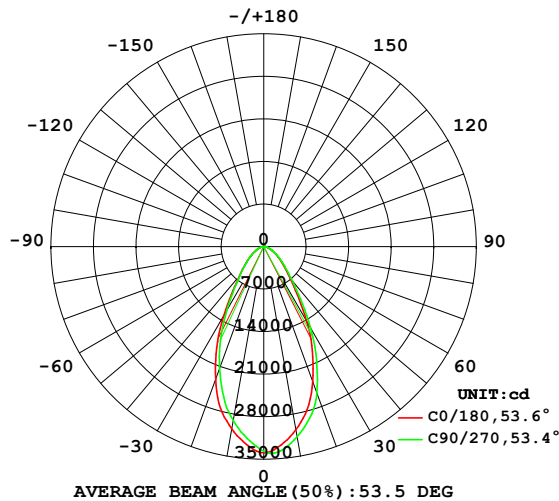


LUMINAIRE PHOTOMETRIC TEST REPORT

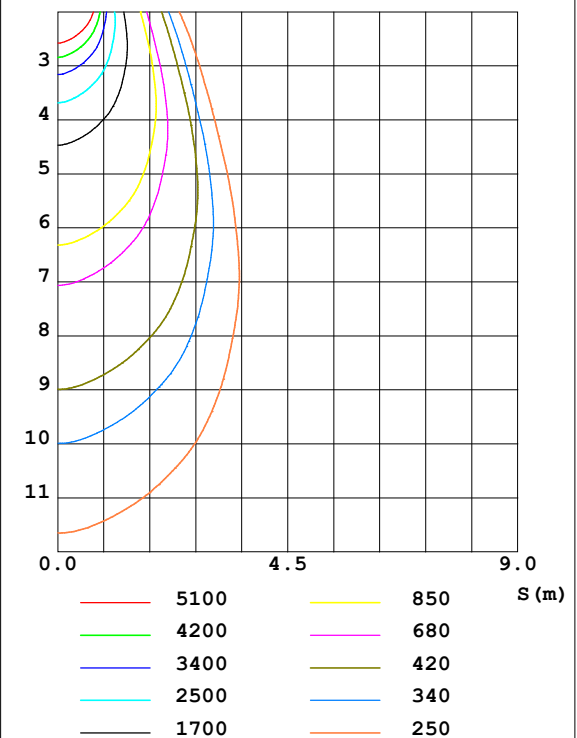
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 350 \times H170\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.35$	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 169.40 lm/W			
MODEL	UFO200W-60D	Imax(cd)	34042	S/MH(C0/180)	0.82
NOMINAL POWER(W)	198	LOR(%)	100.0	S/MH(C90/270)	0.87
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	33541	η UP,DN(C0-180)	0.0,53.0
NOMINAL FLUX(lm)	33541.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	232.2	η down(%)	100.0	CIBSE SHR MAX	0.85

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: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	3060	3177	3046	2905					0- 10	3049	3049	9.09,9.09
20	2363	2563	2321	2127					10- 20	7638	10687	31.9,31.9
30	1409	1539	1320	1224					20- 30	8502	19189	57.2,57.2
40	674.9	730.3	616.1	599.2					30- 40	5972	25161	75,75
50	373.3	392.0	336.8	332.6					40- 50	3755	28916	86.2,86.2
60	202.7	213.9	179.8	175.4					50- 60	2401	31317	93.4,93.4
70	105.8	110.8	89.51	87.00					60- 70	1400	32717	97.5,97.5
80	36.58	38.49	25.43	24.30					70- 80	657.0	33374	99.5,99.5
90	11.09	11.27	9.058	9.120					80- 90	167.2	33541	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:×10cd									UNIT:lm		

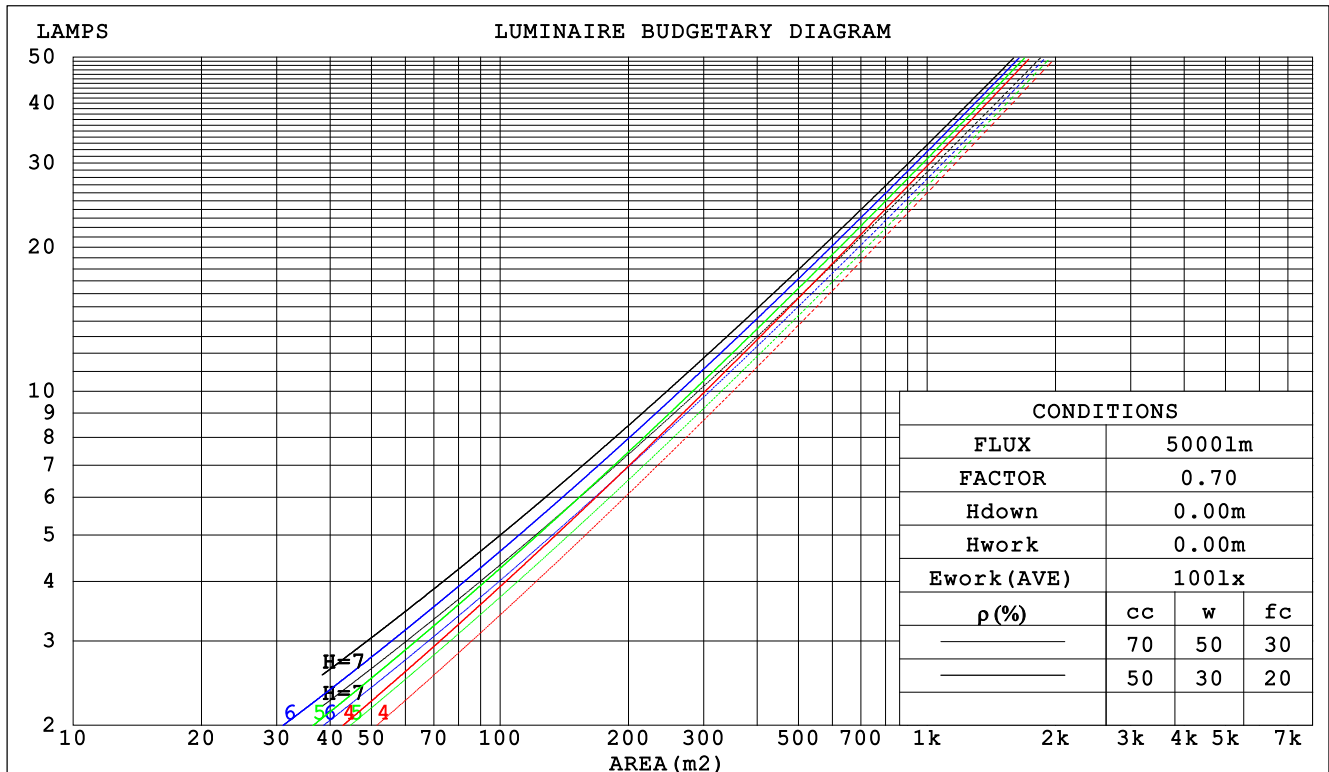
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:chen xue chang
 Test Date:2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 350 \times H170\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.35$	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	.00
1.0	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1.00	.98	.99	.97	.95	.95	.94	.92	.91
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.83	.82
3.0	.91	.85	.80	.89	.84	.79	.87	.82	.78	.84	.80	.77	.82	.78	.76	.74
4.0	.84	.77	.72	.82	.76	.72	.80	.75	.71	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.73	.68	.64	.71	.67	.63	.62
6.0	.72	.65	.60	.71	.64	.60	.69	.64	.59	.68	.63	.59	.66	.62	.58	.57
7.0	.67	.60	.55	.66	.60	.55	.65	.59	.55	.64	.58	.54	.62	.58	.54	.52
8.0	.63	.56	.51	.62	.56	.51	.61	.55	.51	.60	.54	.51	.59	.54	.50	.49
9.0	.59	.52	.48	.58	.52	.48	.57	.51	.47	.56	.51	.47	.55	.51	.47	.46
10.0	.55	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.52	.48	.44	.43



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: chen xue chang
 Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 350 \times H170\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.35$	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	.218	.124	.039	.211	.120	.038	.198	.114	.036	.186	.108	.034	.176	.102	.033		
2.0	.208	.114	.035	.202	.111	.034	.191	.106	.033	.181	.102	.032	.172	.097	.031		
3.0	.196	.105	.031	.191	.103	.031	.182	.099	.030	.173	.095	.029	.165	.091	.028		
4.0	.185	.096	.028	.181	.094	.028	.172	.091	.027	.165	.088	.027	.158	.086	.026		
5.0	.174	.089	.026	.170	.087	.025	.163	.085	.025	.156	.083	.025	.150	.080	.024		
6.0	.164	.082	.024	.161	.081	.023	.155	.079	.023	.149	.077	.023	.143	.075	.022		
7.0	.155	.077	.022	.152	.076	.022	.147	.074	.021	.141	.072	.021	.136	.071	.021		
8.0	.147	.072	.020	.145	.071	.020	.139	.070	.020	.135	.068	.020	.130	.067	.019		
9.0	.140	.068	.019	.137	.067	.019	.133	.066	.019	.128	.064	.018	.124	.063	.018		
10.0	.133	.064	.018	.131	.063	.018	.127	.062	.017	.123	.061	.017	.119	.060	.017		

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	.174	.157	.142	.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	.017	.015	.012	
3.0	.150	.114	.085	.129	.098	.073	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.056	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.074	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.102	.062	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.113	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.108	.061	.029	.093	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.103	.057	.026	.089	.049	.022	.061	.035	.016	.036	.020	.010	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: LED High Bay					TYPE:					WEIGHT:				
DIM.: $\phi 350 \times H170\text{mm}$					SPEC.:					SERIAL No.:				
MFR.:					SUR.: $\phi 0.35$					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	24.7	25.9	25.0	26.0	26.2	25.0	26.1	25.2	26.3	26.5			
	3H	25.4	26.4	25.7	26.6	26.9	25.6	26.7	25.9	26.9	27.1			
	4H	25.6	26.6	25.9	26.9	27.1	25.9	26.9	26.2	27.1	27.3			
	6H	25.8	26.7	26.1	27.0	27.2	26.0	27.0	26.3	27.2	27.5			
	8H	25.8	26.7	26.1	27.0	27.2	26.1	27.0	26.4	27.2	27.5			
	12H	25.8	26.7	26.1	26.9	27.2	26.1	26.9	26.4	27.2	27.5			
	4H	2H	25.0	26.0	25.3	26.2	26.4	25.2	26.2	25.5	26.4	26.6		
	3H	25.8	26.7	26.2	27.0	27.2	26.0	26.9	26.4	27.2	27.5			
	4H	26.2	27.0	26.5	27.3	27.6	26.4	27.2	26.8	27.5	27.8			
	6H	26.4	27.1	26.8	27.4	27.8	26.6	27.3	27.0	27.7	28.0			
	8H	26.5	27.1	26.9	27.5	27.8	26.7	27.3	27.1	27.7	28.1			
	12H	26.5	27.1	26.9	27.4	27.8	26.7	27.3	27.1	27.7	28.1			
8H	4H	26.3	26.9	26.7	27.3	27.6	26.5	27.1	26.9	27.5	27.8			
	6H	26.6	27.1	27.0	27.5	27.9	26.8	27.3	27.2	27.7	28.1			
	8H	26.7	27.2	27.1	27.6	28.0	26.9	27.4	27.4	27.8	28.2			
	12H	26.7	27.1	27.2	27.6	28.1	27.0	27.4	27.4	27.8	28.3			
12H	4H	26.3	26.8	26.7	27.2	27.6	26.5	27.0	26.9	27.4	27.8			
	6H	26.6	27.1	27.0	27.5	27.9	26.8	27.3	27.2	27.7	28.1			
	8H	26.7	27.1	27.2	27.6	28.0	26.9	27.3	27.4	27.8	28.2			
Variations with the observer position at spacings:														
S = 1.0H		+ 0.6 / - 0.7					+ 0.6 / - 0.7							
1.5H		+ 0.6 / - 0.5					+ 0.7 / - 0.4							
2.0H		+ 1.0 / - 0.8					+ 1.1 / - 0.8							

CIE Pub.117 Corrected 33541 lm Total Lamp Luminous Flux. ($8\log(F/F_0) = 12.2$)

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: chen xue chang
 Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks:

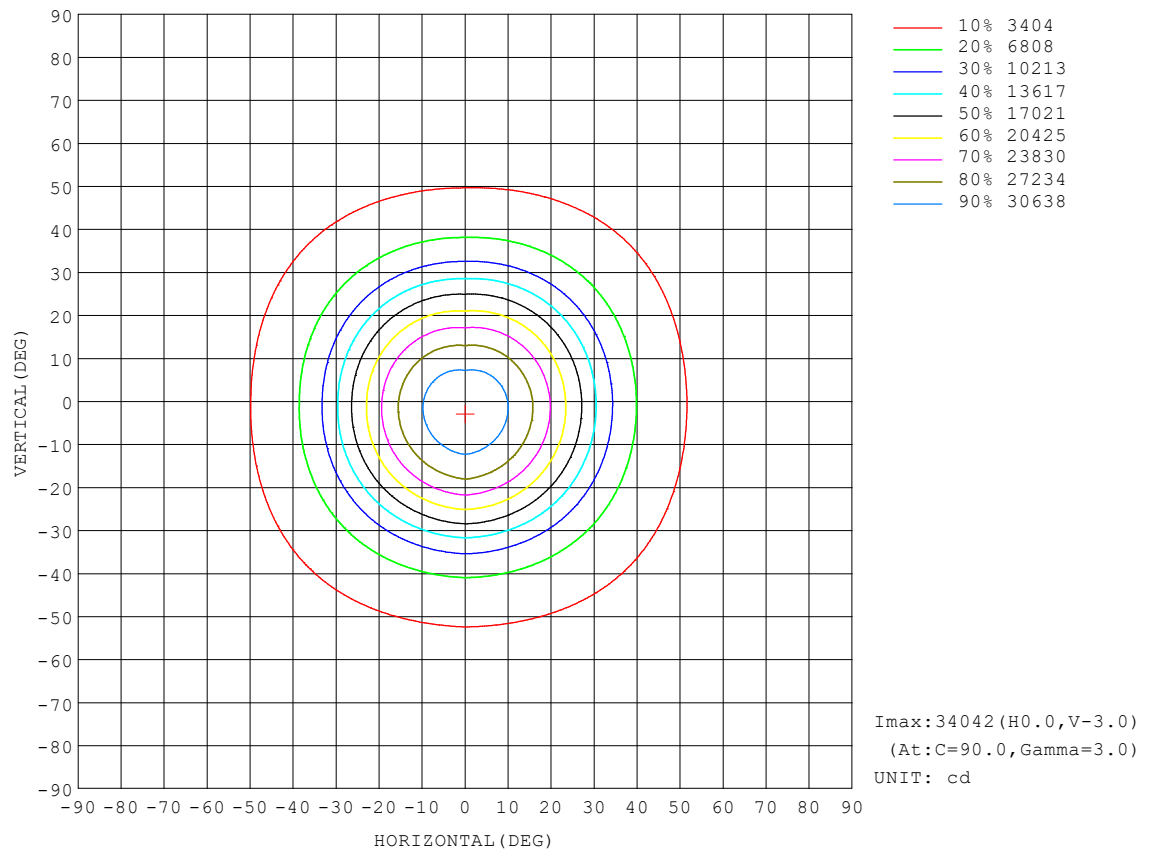
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 350 \times H170\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.35$	PROTECTION ANGLE:

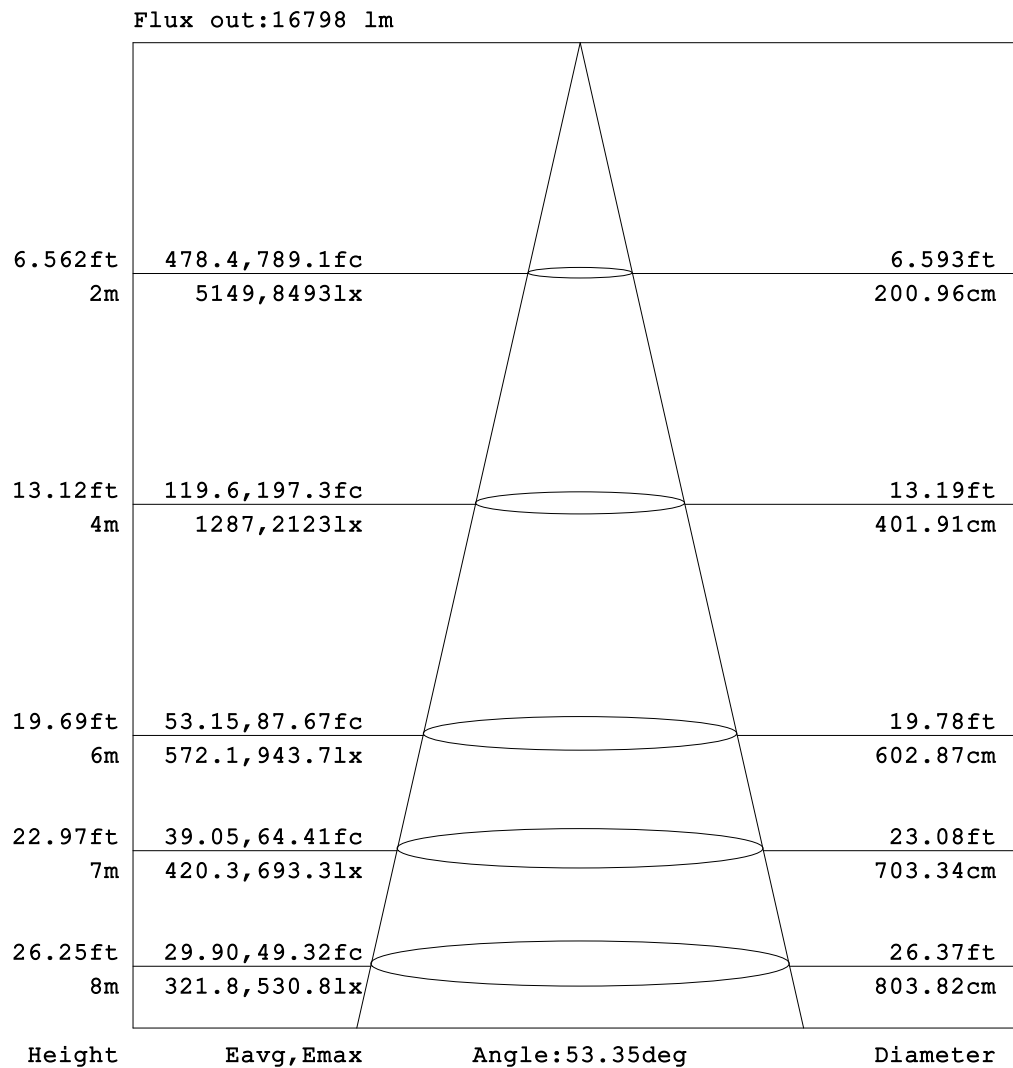


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

AAI Figure

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 350 \times H170\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.35$	PROTECTION ANGLE:



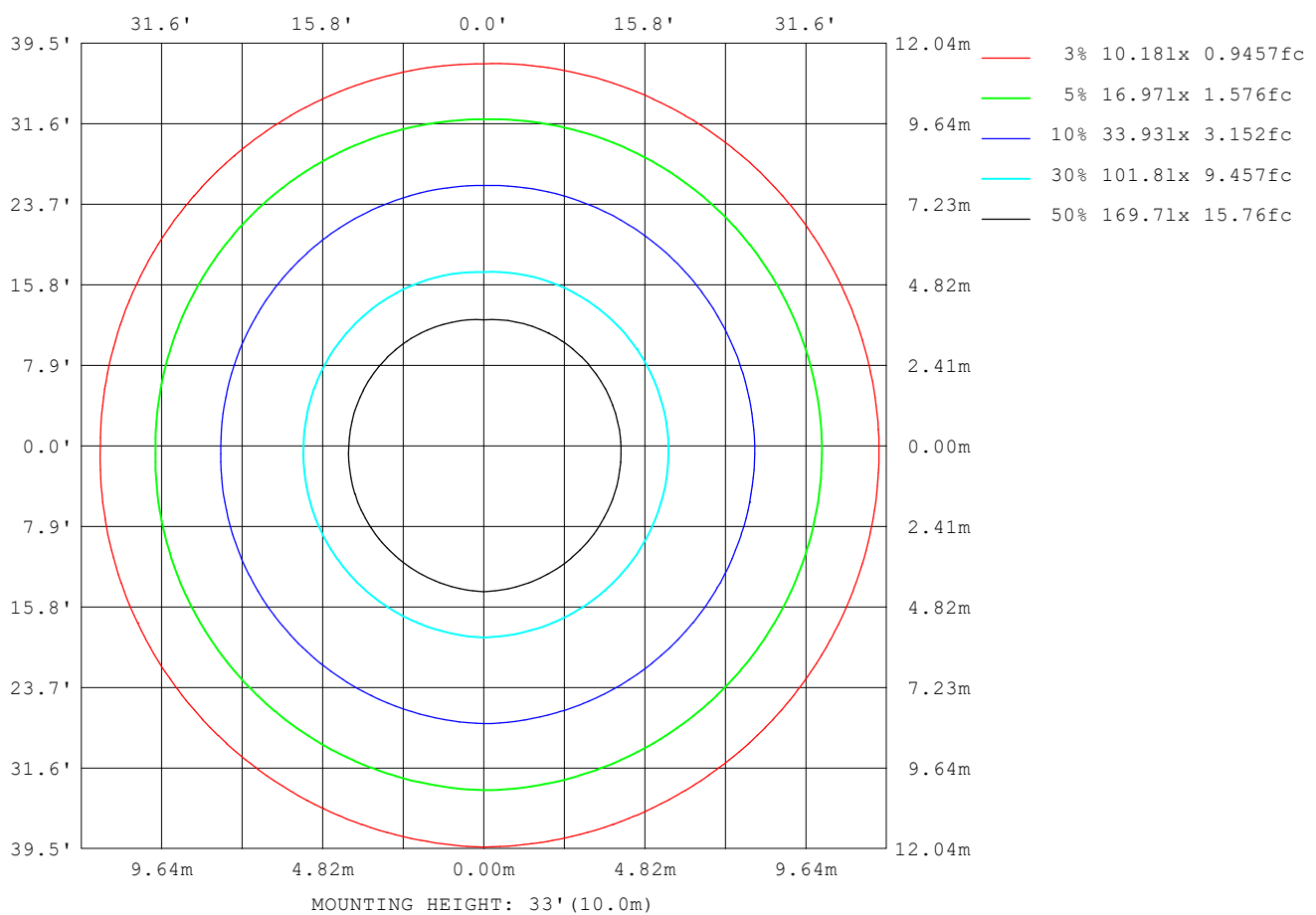
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

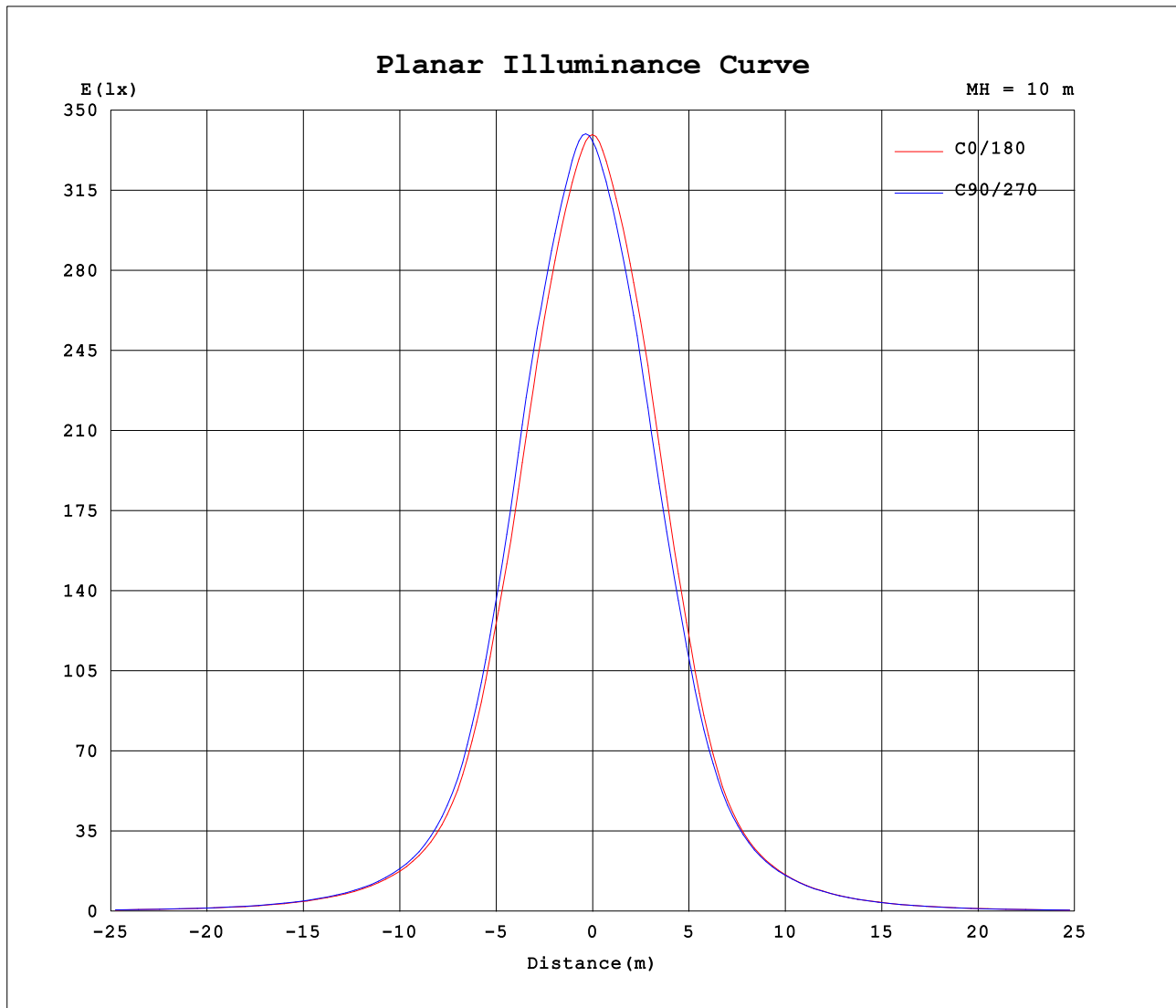
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\phi 350 \times H170\text{mm}$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\phi 0.35$	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: chen xue chang
 Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
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Temperature: 25.3DEG
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Test Date: 2022-04-02

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.000m [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:7.000m [K=1.0000]
Remarks:

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