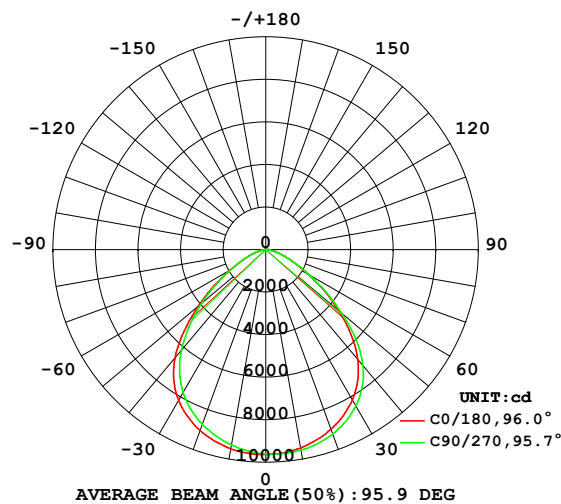


LUMINAIRE PHOTOMETRIC TEST REPORT

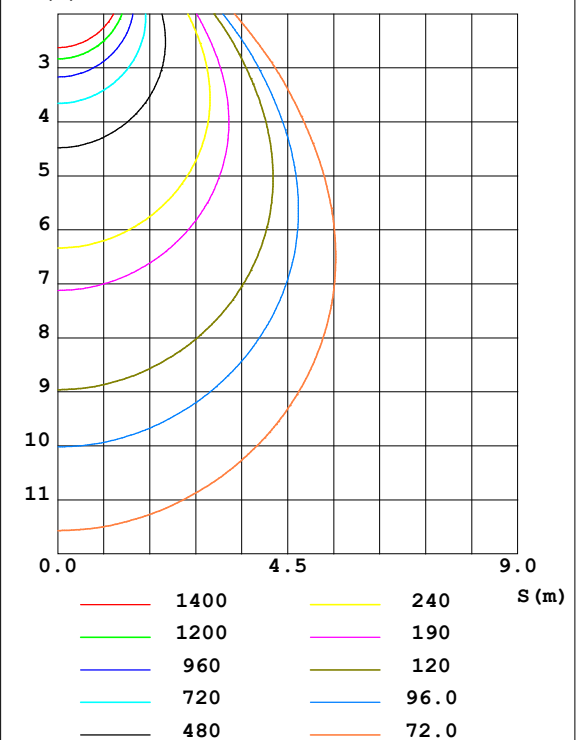
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 210.95 lm/W
MODEL	UF0100W-90D	Imax(cd)	9639	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	100.8	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	21264	η UP,DN(C0-180)	0.0,52.6	
NOMINAL FLUX(lm)	21263.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.4	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	231.3	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: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	9470	9534	9572	9573	9503	9388	9318	9290	0- 10	910.2	910.2	4.28,4.28
20	8984	9130	9223	9233	9043	8836	8740	8695	10- 20	2614	3524	16.6,16.6
30	8154	8360	8485	8495	8186	7891	7765	7714	20- 30	3967	7491	35.2,35.2
40	6724	6996	7106	7107	6643	6246	6165	6118	30- 40	4665	12156	57.2,57.2
50	4495	4691	4687	4624	4130	3910	3941	3914	40- 50	4245	16402	77.1,77.1
60	2281	2402	2333	2311	1948	1866	1898	1912	50- 60	2811	19213	90.4,90.4
70	965.0	1004	969.1	954.6	745.5	733.1	766.5	787.5	60- 70	1395	20608	96.9,96.9
80	294.0	306.5	280.7	266.3	135.5	138.4	151.2	166.9	70- 80	546.9	21155	99.5,99.5
90	80.94	81.63	81.92	81.92	64.32	64.41	64.88	64.56	80- 90	109.0	21264	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		

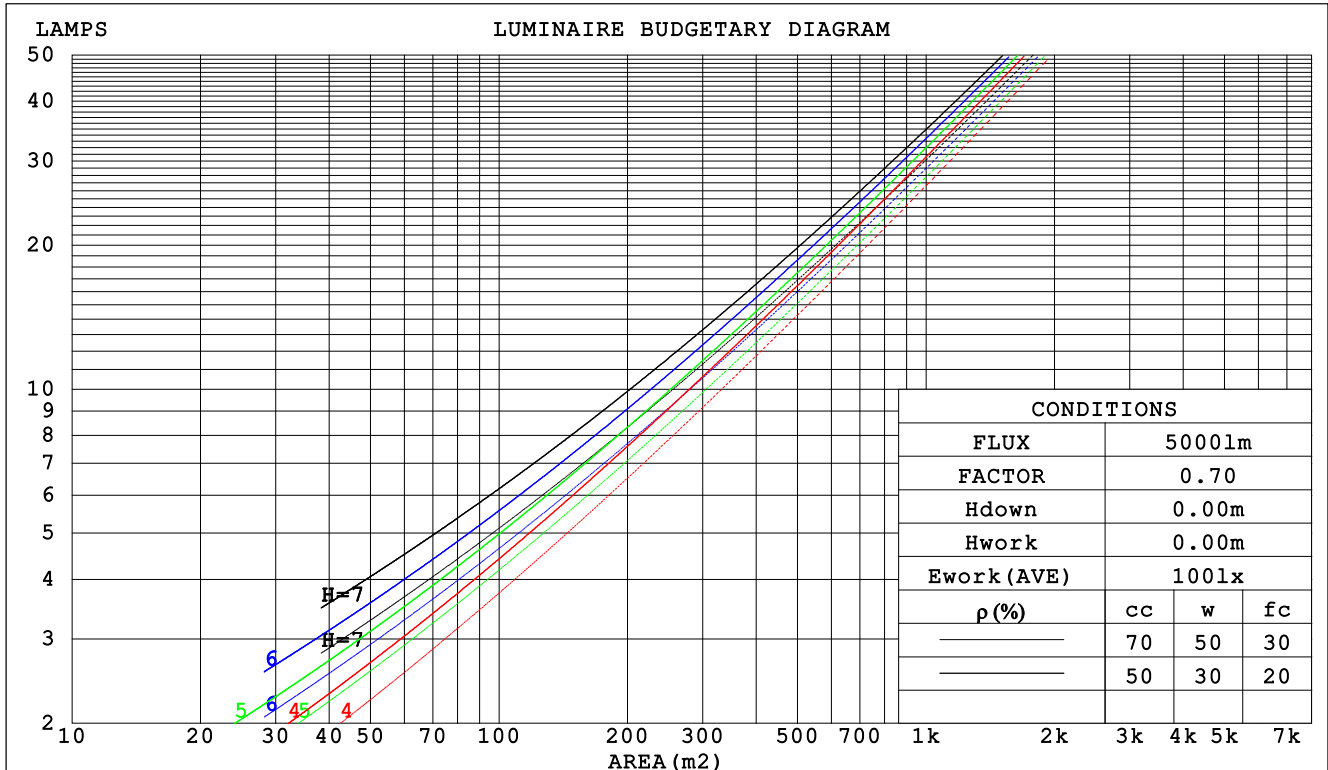
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:chen xue chang
 Test Date:2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	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	.00
1.0	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.97	.95	.93	.93	.91	.90	.88
2.0	.95	.90	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.72	.84	.77	.72	.81	.75	.71	.78	.73	.69	.76	.72	.68	.66
4.0	.77	.69	.63	.75	.68	.62	.73	.67	.62	.71	.65	.61	.69	.64	.60	.58
5.0	.69	.61	.55	.68	.60	.55	.66	.59	.54	.64	.58	.54	.62	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.59	.52	.48	.57	.52	.47	.45
7.0	.57	.49	.44	.56	.49	.43	.55	.48	.43	.54	.47	.43	.52	.47	.43	.41
8.0	.53	.45	.39	.52	.44	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.37
9.0	.48	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.42	.36	.32	.30



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: chen xue chang
 Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: Φ 260*H150MM	SPEC.:	SERIAL No.:
MFR.:	SUR.: Φ 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	.253	.144	.046	.246	.140	.045	.233	.134	.043	.221	.127	.041	.210	.122	.039		
2.0	.245	.134	.041	.239	.132	.041	.228	.127	.039	.217	.122	.038	.208	.118	.037		
3.0	.232	.124	.037	.227	.122	.037	.217	.118	.036	.208	.114	.035	.200	.111	.034		
4.0	.219	.114	.033	.214	.112	.033	.205	.109	.033	.197	.106	.032	.190	.103	.031		
5.0	.206	.105	.030	.202	.103	.030	.194	.101	.030	.187	.098	.029	.180	.096	.029		
6.0	.193	.097	.028	.190	.096	.028	.183	.094	.027	.176	.092	.027	.170	.090	.027		
7.0	.182	.090	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025	.161	.084	.025		
8.0	.172	.084	.024	.169	.083	.023	.163	.082	.023	.158	.080	.023	.153	.079	.023		
9.0	.162	.078	.022	.160	.078	.022	.155	.076	.022	.150	.075	.021	.145	.074	.021		
10.0	.153	.074	.020	.151	.073	.020	.147	.072	.020	.142	.071	.020	.138	.070	.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	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.135	.098	.069	.093	.068	.048	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.030	.106	.059	.027	.073	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.101	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:chen xue chang
 Test Date:2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:7.400m [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					28.9	30.3	29.2	30.5	30.7	29.1	30.4	29.3	30.6	30.8
3H					29.4	30.7	29.7	30.9	31.1	29.5	30.8	29.8	31.0	31.2
4H					29.5	30.7	29.8	31.0	31.2	29.7	30.8	30.0	31.1	31.3
6H					29.6	30.7	29.9	31.0	31.2	29.7	30.8	30.0	31.1	31.3
8H					29.6	30.6	29.9	30.9	31.2	29.7	30.7	30.0	31.0	31.3
12H					29.5	30.6	29.9	30.9	31.1	29.6	30.7	30.0	30.9	31.2
4H 2H					29.2	30.4	29.5	30.6	30.8	29.3	30.5	29.6	30.7	31.0
3H					29.8	30.8	30.1	31.1	31.4	29.9	30.9	30.2	31.2	31.5
4H					30.0	30.9	30.4	31.2	31.6	30.1	31.0	30.4	31.3	31.6
6H					30.1	30.9	30.5	31.3	31.6	30.2	31.0	30.6	31.3	31.7
8H					30.1	30.9	30.5	31.2	31.6	30.2	30.9	30.6	31.3	31.7
12H					30.1	30.8	30.5	31.2	31.6	30.2	30.9	30.6	31.2	31.6
8H 4H					30.0	30.8	30.4	31.1	31.5	30.1	30.9	30.5	31.2	31.6
6H					30.2	30.8	30.7	31.2	31.7	30.3	30.9	30.7	31.3	31.7
8H					30.2	30.8	30.7	31.2	31.7	30.3	30.8	30.8	31.3	31.7
12H					30.2	30.7	30.7	31.2	31.6	30.3	30.8	30.8	31.2	31.7
12H 4H					30.0	30.7	30.4	31.1	31.5	30.1	30.8	30.5	31.2	31.5
6H					30.2	30.7	30.7	31.2	31.6	30.3	30.8	30.7	31.2	31.7
8H					30.2	30.7	30.7	31.1	31.6	30.3	30.8	30.8	31.2	31.7
Variations with the observer position at spacings:														
S = 1.0H					+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H					+ 0.3 / - 0.4					+ 0.4 / - 0.3				
2.0H					+ 1.2 / - 1.3					+ 1.3 / - 1.4				

CIE Pub.117 Corrected 21264 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.6)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

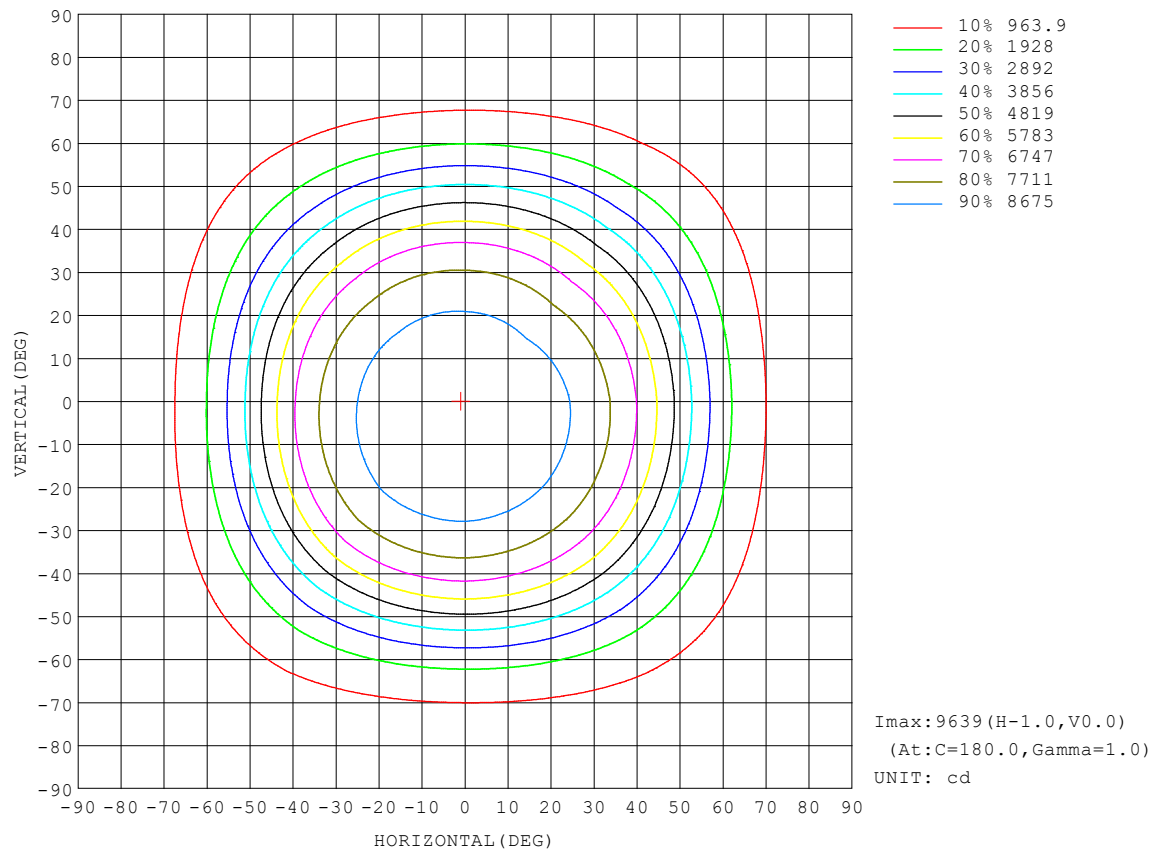
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

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

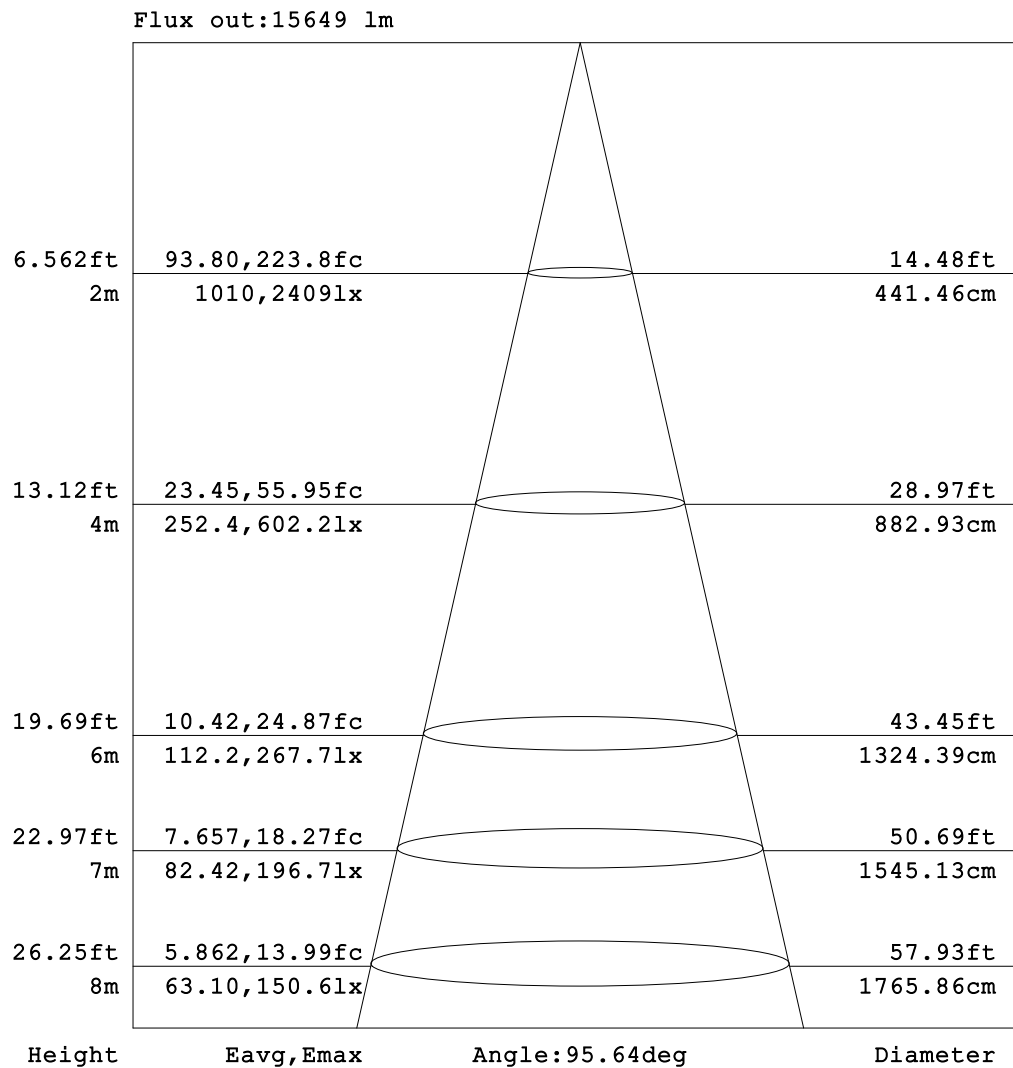


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.400m [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:



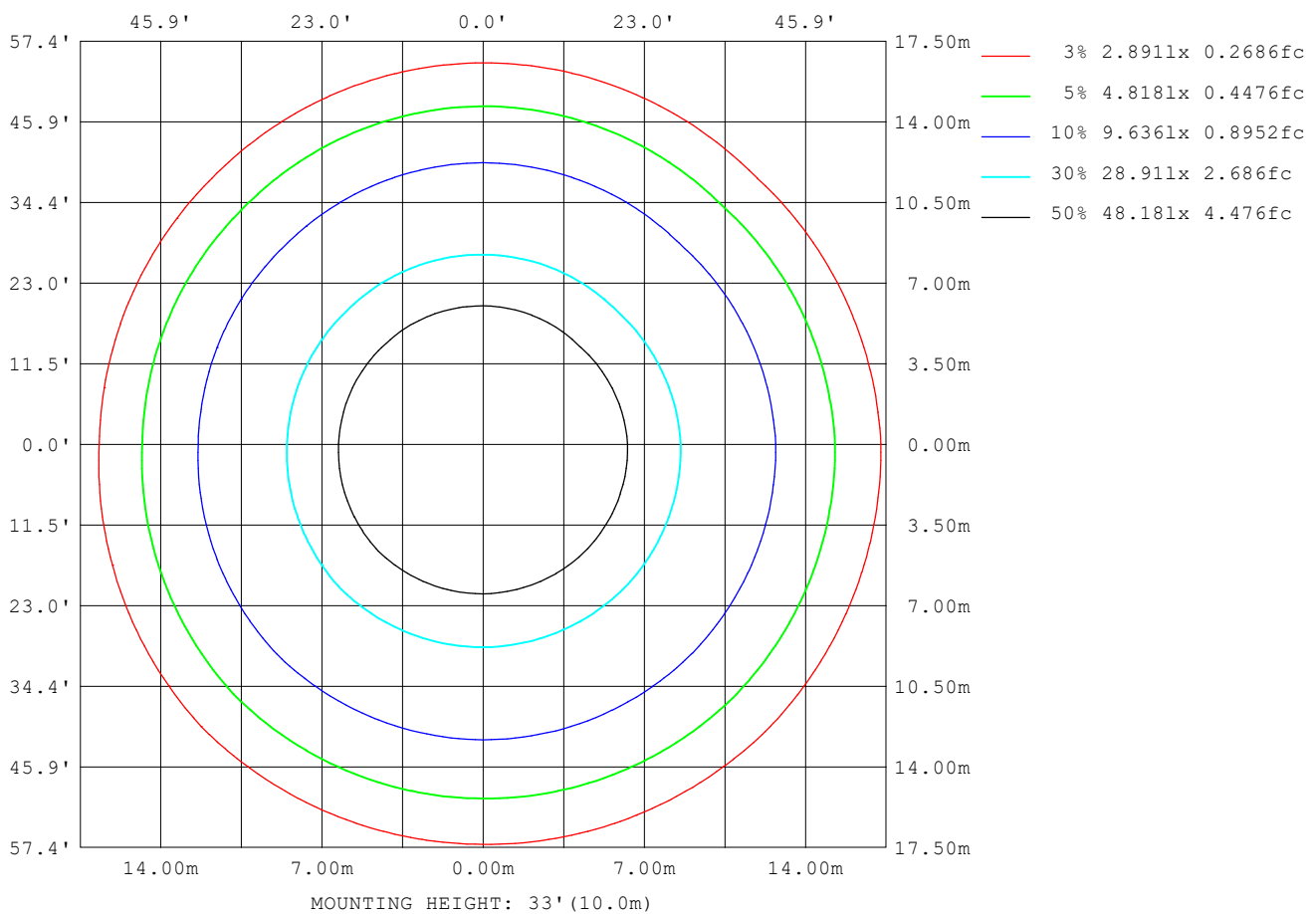
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

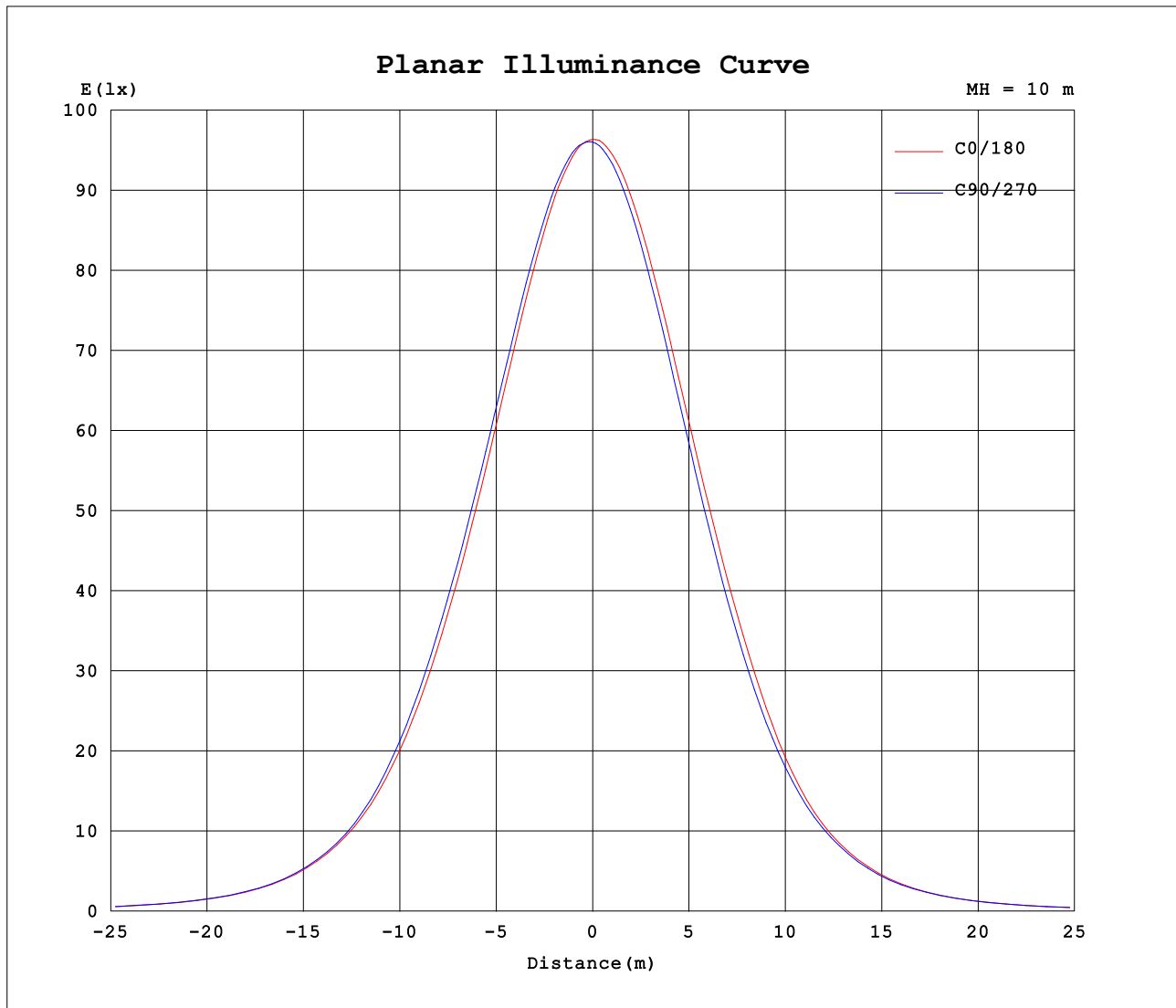
NAME: LED High Bay	TYPE:	WEIGHT:
DIM.: $\Phi 260 \times H150MM$	SPEC.:	SERIAL No.:
MFR.:	SUR.: $\Phi 0.26$	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: chen xue chang
Test Date: 2022-05-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.400m [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:7.400m [K=1.0000]
Remarks:

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