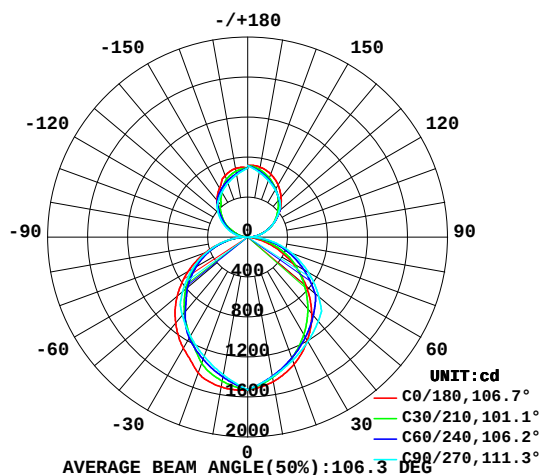


LUMINAIRE PHOTOMETRIC TEST REPORT

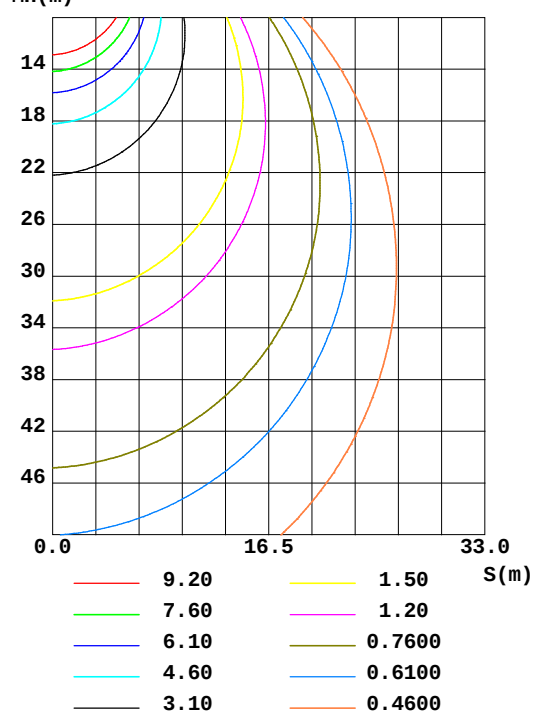
Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.74 lm/W			
MODEL		I _{max} (cd)	1534	S/MH(C0/180)	1.17
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	118	TOTAL FLUX(lm)	5927.3	η UP, DN(C0-180)	16.2, 34.7
NOMINAL FLUX(lm)	5927.31	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	15.8, 33.3
LAMPS INSIDE	1	η up(%)	32.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	118.2	η down(%)	68.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



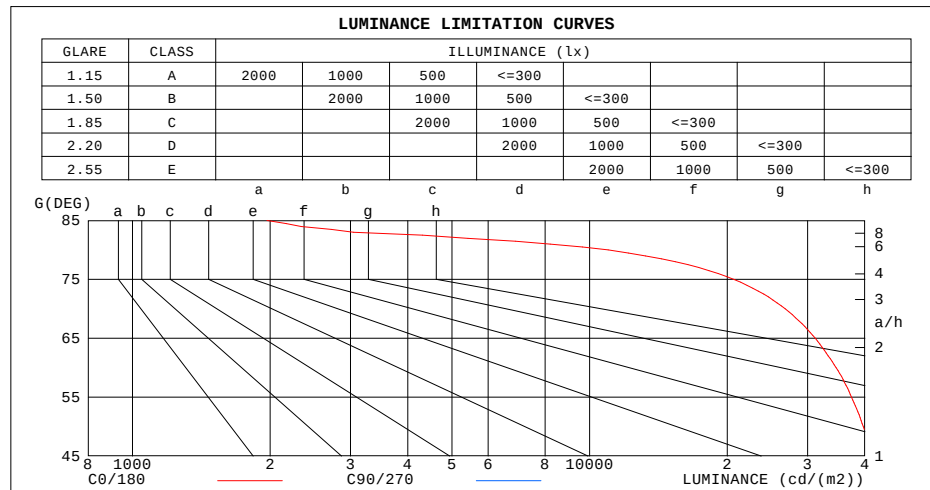
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 26.3DEG
 Operators: Ethan
 Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
 Humidity: 36%
 Test Distance: 6.770m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	1506	1476	1474	1495	1533	1488	1464	1469	0- 5	35.88	35.88	0.61, 0.61
10	1469	1418	1420	1455	1523	1441	1400	1405	5- 10	104.5	140.3	2.37, 2.37
15	1418	1354	1367	1408	1497	1386	1337	1334	10- 15	167.1	307.5	5.19, 5.19
20	1356	1284	1313	1351	1446	1325	1273	1259	15- 20	222.4	529.8	8.94, 8.94
25	1281	1211	1260	1274	1357	1238	1210	1180	20- 25	268.4	798.2	13.5, 13.5
30	1196	1135	1206	1188	1287	1129	1146	1099	25- 30	304.4	1103	18.6, 18.6
35	1101	1055	1153	1108	1210	1039	1083	1016	30- 35	331.5	1434	24.2, 24.2
40	996.2	974.4	1099	1035	1123	961.2	1019	931.5	35- 40	349.2	1783	30.1, 30.1
45	883.6	893.4	1046	965.0	1028	886.2	955.8	846.7	40- 45	357.3	2141	36.1, 36.1
50	765.5	810.7	930.3	894.4	921.0	810.4	849.7	761.6	45- 50	354.0	2495	42.1, 42.1
55	644.0	727.2	814.8	821.2	807.8	732.5	743.6	676.8	50- 55	336.4	2831	47.8, 47.8
60	519.4	606.7	699.3	698.6	689.2	623.4	637.6	566.3	55- 60	307.5	3139	53.5, 53.5
65	395.1	492.0	583.8	577.4	568.0	515.3	531.5	460.5	60- 65	269.4	3408	57.5, 57.5
70	274.9	384.3	468.4	457.1	445.4	408.6	425.5	360.6	65- 70	224.5	3633	61.3, 61.3
75	160.5	282.6	352.9	338.8	323.3	304.0	319.4	265.8	70- 75	175.3	3808	64.2, 64.2
80	57.19	185.6	237.4	224.9	204.8	201.7	213.3	175.2	75- 80	124.2	3932	66.3, 66.3
85	5.148	92.53	121.9	115.7	93.37	101.0	107.3	88.11	80- 85	73.61	4006	67.6, 67.6
90	7.978	1.523	6.402	9.414	6.701	1.444	1.226	2.762	85- 90	25.56	4031	68.6, 68.6
95	42.32	51.45	57.44	49.46	7.647	43.15	49.40	52.44	90- 95	13.52	4045	68.2, 68.2
100	98.68	101.9	108.5	90.27	62.07	85.39	97.58	102.6	95-100	37.13	4082	68.9, 68.9
105	150.6	153.4	159.5	132.3	114.4	128.5	145.8	153.8	100-105	61.36	4143	69.9, 69.9
110	204.6	206.0	210.6	176.2	166.8	172.9	193.9	206.3	105-110	85.03	4228	71.3, 71.3
115	259.6	259.9	261.6	221.7	219.2	220.6	242.1	260.4	110-115	107.5	4336	73.1, 73.1
120	315.0	315.6	312.6	268.6	269.6	270.0	290.3	315.9	115-120	127.8	4464	75.3, 75.3
125	369.7	372.1	363.7	316.6	321.8	318.2	338.5	372.9	120-125	144.7	4608	77.7, 77.7
130	422.7	409.1	414.7	352.8	372.8	326.6	386.6	410.1	125-130	157.6	4766	80.4, 80.4
135	473.2	445.8	465.7	391.7	426.7	392.3	434.8	447.1	130-135	165.3	4931	83.2, 83.2
140	521.7	482.5	493.7	429.1	478.8	429.2	463.5	484.0	135-140	166.7	5098	86.8, 86.8
145	566.4	519.1	521.6	470.0	525.5	472.4	492.2	519.6	140-145	163.0	5261	88.8, 88.8
150	607.3	555.2	549.6	506.6	565.3	526.9	520.8	552.1	145-150	154.7	5415	91.4, 91.4
155	643.1	589.5	577.5	551.7	618.8	575.3	549.5	579.1	150-155	142.1	5558	93.8, 93.8
160	673.4	621.5	605.5	588.6	658.2	608.2	578.2	601.6	155-160	124.9	5683	95.9, 95.9
165	696.2	651.4	633.4	622.9	683.4	636.3	606.8	622.0	160-165	102.9	5785	97.6, 97.6
170	712.3	678.1	661.4	657.1	698.6	658.2	635.5	642.9	165-170	77.12	5863	98.9, 98.9
175	720.0	700.3	689.3	689.1	701.1	677.4	664.2	666.3	170-175	48.17	5911	99.7, 99.7
180	717.3	717.3	717.3	717.3	692.8	692.8	692.8	692.8	175-180	16.55	5927	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1969	46618
80	10977	45567
75	20667	45446
70	26790	45646
65	31167	46050
60	34625	46622
55	37428	47353
50	39695	48243
45	41654	49299

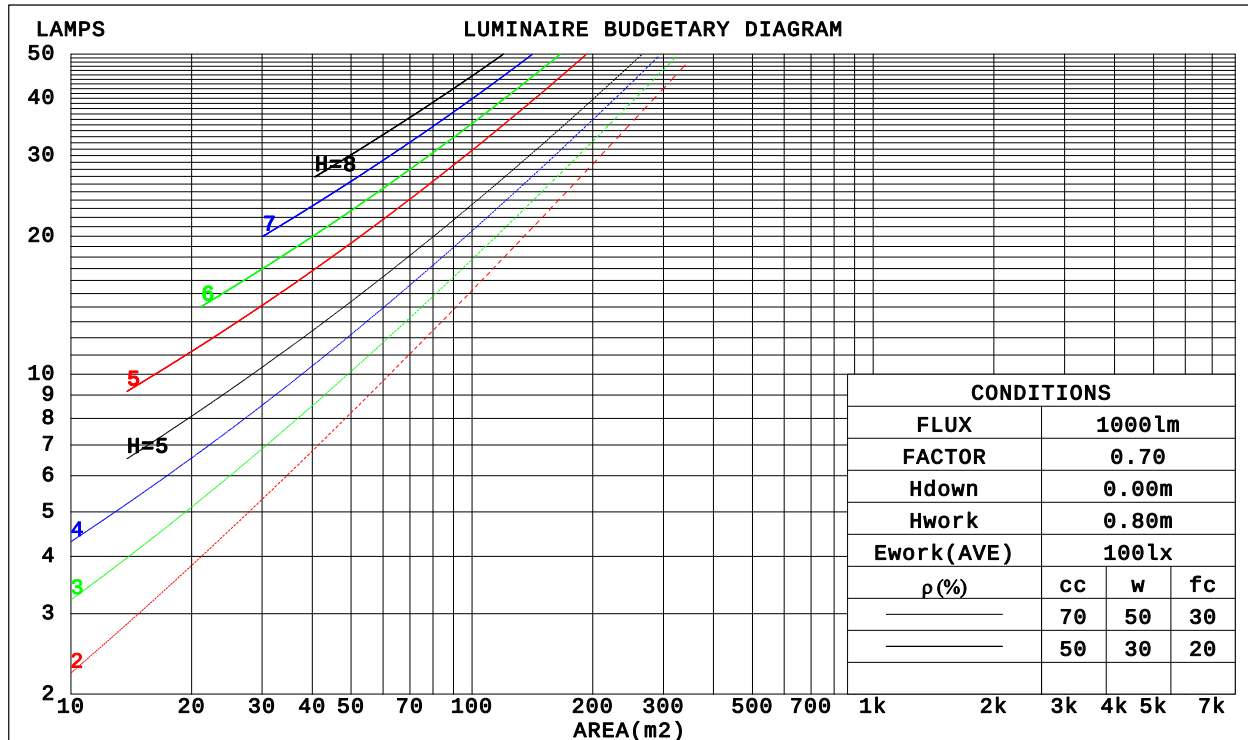
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	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	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.83	.83	.83	.73	.73	.73	.68
1.0	.97	.93	.89	.91	.88	.84	.81	.79	.76	.72	.70	.68	.64	.62	.61	.56
2.0	.84	.78	.72	.80	.74	.69	.71	.66	.63	.63	.60	.56	.56	.53	.51	.47
3.0	.74	.66	.60	.70	.63	.57	.62	.57	.52	.56	.51	.48	.49	.46	.43	.39
4.0	.65	.57	.51	.62	.54	.49	.55	.49	.45	.49	.45	.41	.44	.40	.37	.34
5.0	.58	.50	.43	.55	.48	.42	.50	.43	.38	.44	.39	.35	.39	.35	.32	.29
6.0	.52	.44	.38	.50	.42	.36	.45	.38	.33	.40	.35	.31	.36	.31	.28	.25
7.0	.47	.39	.33	.45	.37	.32	.41	.34	.30	.36	.31	.27	.33	.28	.25	.22
8.0	.43	.35	.29	.41	.33	.28	.37	.31	.26	.33	.28	.24	.30	.26	.22	.20
9.0	.39	.32	.26	.37	.30	.25	.34	.28	.24	.31	.26	.22	.28	.23	.20	.18
10.0	.36	.29	.24	.35	.28	.23	.31	.25	.21	.28	.23	.20	.26	.21	.18	.16



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 26.3DEG
 Operators: Ethan
 Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.268
 Humidity: 36%
 Test Distance: 6.770m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm					
NAME: 4FT二代铝材灯 50W 40K A档灯珠			TYPE:上下发光		WEIGHT:
DIM.:			SPEC.:白色外壳 4000K		SERIAL No.:
MFR.: YQ			SUR.:1.2*0.07		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	.298	.169	.054	.281	.160	.051	.250	.143	.046	.221	.128	.041	.195	.113	.036	
2.0	.277	.152	.047	.262	.144	.044	.233	.130	.040	.207	.116	.036	.183	.103	.033	
3.0	.255	.136	.041	.241	.129	.039	.216	.117	.036	.192	.105	.032	.170	.094	.029	
4.0	.235	.122	.036	.223	.117	.034	.199	.106	.032	.177	.095	.029	.157	.085	.026	
5.0	.217	.111	.032	.206	.106	.031	.184	.096	.028	.164	.087	.026	.145	.078	.023	
6.0	.202	.101	.029	.191	.097	.028	.171	.088	.026	.153	.079	.023	.135	.071	.021	
7.0	.188	.093	.026	.178	.089	.025	.160	.081	.023	.143	.073	.021	.127	.066	.019	
8.0	.176	.086	.024	.167	.082	.023	.150	.075	.021	.134	.068	.020	.119	.061	.018	
9.0	.165	.080	.022	.156	.076	.021	.141	.070	.020	.126	.063	.018	.112	.057	.016	
10.0	.155	.074	.021	.147	.071	.020	.132	.065	.018	.119	.059	.017	.106	.053	.015	

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	.434	.434	.434	.371	.371	.371	.253	.253	.253	.146	.146	.146	.047	.047	.047	
1.0	.425	.402	.381	.364	.345	.328	.249	.237	.227	.143	.137	.132	.046	.044	.043	
2.0	.418	.379	.347	.358	.327	.300	.245	.226	.209	.141	.131	.123	.045	.043	.040	
3.0	.410	.363	.325	.352	.313	.282	.242	.217	.198	.139	.127	.117	.045	.041	.038	
4.0	.403	.350	.310	.346	.303	.269	.238	.211	.190	.138	.124	.112	.044	.040	.037	
5.0	.396	.341	.300	.340	.295	.261	.234	.206	.184	.136	.121	.109	.044	.039	.036	
6.0	.390	.333	.292	.335	.288	.255	.231	.202	.180	.134	.119	.107	.043	.039	.035	
7.0	.383	.327	.287	.330	.283	.250	.228	.198	.177	.132	.117	.105	.043	.038	.035	
8.0	.377	.321	.283	.325	.279	.246	.225	.196	.175	.131	.115	.104	.042	.038	.034	
9.0	.372	.317	.279	.320	.275	.244	.222	.193	.173	.129	.114	.103	.042	.037	.034	
10.0	.366	.313	.277	.316	.271	.241	.219	.191	.172	.128	.113	.102	.041	.037	.034	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26.3DEG
 Operators:Ethan
 Test Date:2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
 Humidity:36%
 Test Distance:6.770m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm											
NAME: 4FT 二代铝材灯 50W 40K A档灯珠						TYPE: 上下发光			WEIGHT:		
DIM.:						SPEC.: 白色外壳 4000K			SERIAL No.:		
MFR.: YQ						SUR.: 1.2*0.07			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	22.8	24.0	23.5	24.6	25.4	24.5	25.6	25.1	26.3	27.0
	3H	23.9	24.9	24.6	25.6	26.4	26.1	27.1	26.8	27.8	28.7
	4H	24.1	25.1	24.8	25.8	26.6	26.9	27.8	27.6	28.5	29.4
	6H	24.1	25.0	24.9	25.8	26.6	27.5	28.4	28.2	29.1	30.0
	8H	24.1	24.9	24.8	25.7	26.6	27.7	28.6	28.5	29.3	30.2
	12H	24.0	24.8	24.7	25.6	26.5	27.9	28.7	28.6	29.4	30.4
4H	2H	23.6	24.5	24.3	25.3	26.1	24.8	25.8	25.5	26.5	27.3
	3H	24.8	25.6	25.6	26.4	27.3	26.7	27.5	27.4	28.3	29.2
	4H	25.2	25.9	26.0	26.7	27.7	27.6	28.3	28.3	29.1	30.0
	6H	25.3	26.0	26.1	26.8	27.8	28.3	29.0	29.1	29.8	30.7
	8H	25.3	25.9	26.1	26.7	27.7	28.6	29.2	29.4	30.0	31.0
	12H	25.2	25.8	26.1	26.6	27.6	28.8	29.4	29.7	30.2	31.2
8H	4H	25.6	26.2	26.5	27.1	28.0	27.7	28.3	28.5	29.1	30.1
	6H	26.0	26.5	26.8	27.3	28.4	28.6	29.1	29.5	29.9	31.0
	8H	26.1	26.5	26.9	27.4	28.4	29.0	29.4	29.9	30.3	31.4
	12H	26.1	26.4	26.9	27.3	28.4	29.4	29.7	30.2	30.6	31.7
12H	4H	25.7	26.2	26.5	27.1	28.1	27.6	28.2	28.5	29.0	30.0
	6H	26.1	26.6	27.0	27.4	28.5	28.6	29.0	29.5	29.9	31.0
	8H	26.3	26.7	27.2	27.5	28.6	29.1	29.4	29.9	30.3	31.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5927 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.2)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

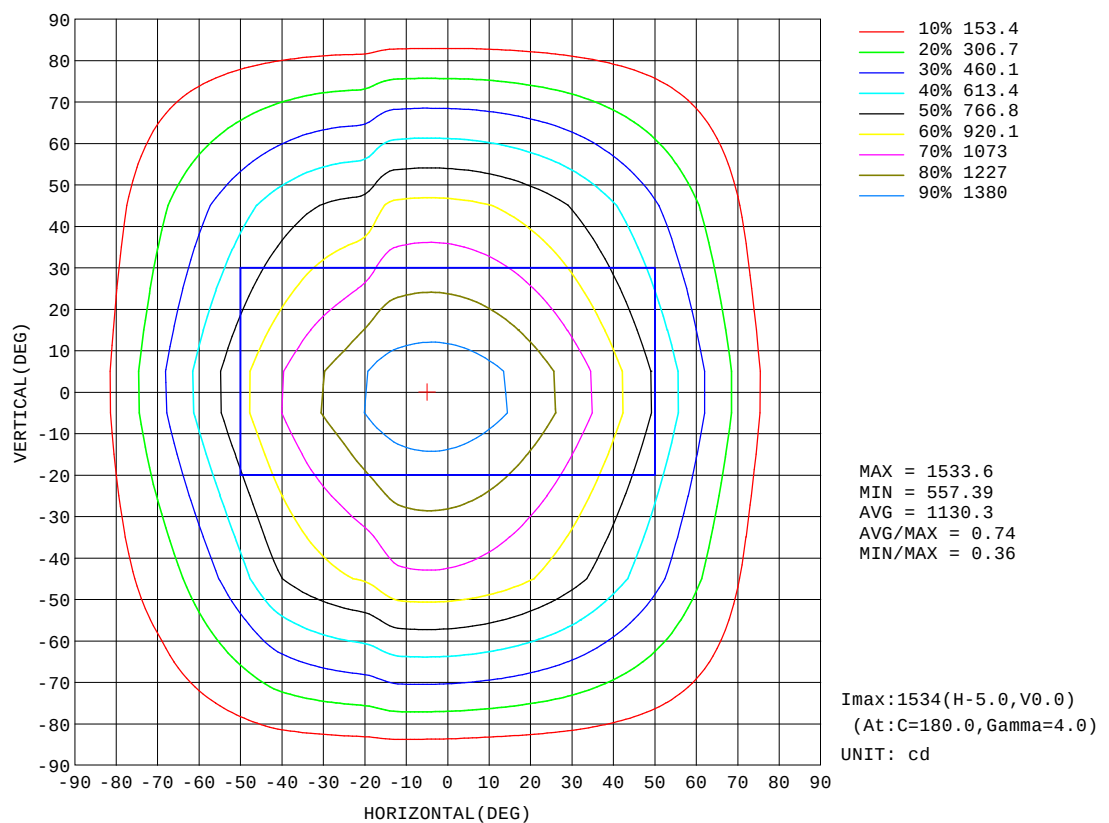
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	31	47	36	30	44	34	29	22
0.80	58	47	39	56	45	38	51	42	37	28
1.00	66	55	47	63	53	46	58	51	44	33
1.25	73	62	55	70	60	53	63	56	50	38
1.50	78	68	61	74	65	59	67	60	55	42
2.00	85	76	69	81	73	67	73	67	62	47
2.50	90	81	75	85	78	72	76	71	66	50
3.00	93	86	80	88	82	76	79	74	70	53
4.00	97	91	86	92	87	82	82	78	75	56
5.00	100	95	90	94	90	86	84	81	78	58
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26.3DEG
 Operators:Ethan
 Test Date:2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
 Humidity:36%
 Test Distance:6.770m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:



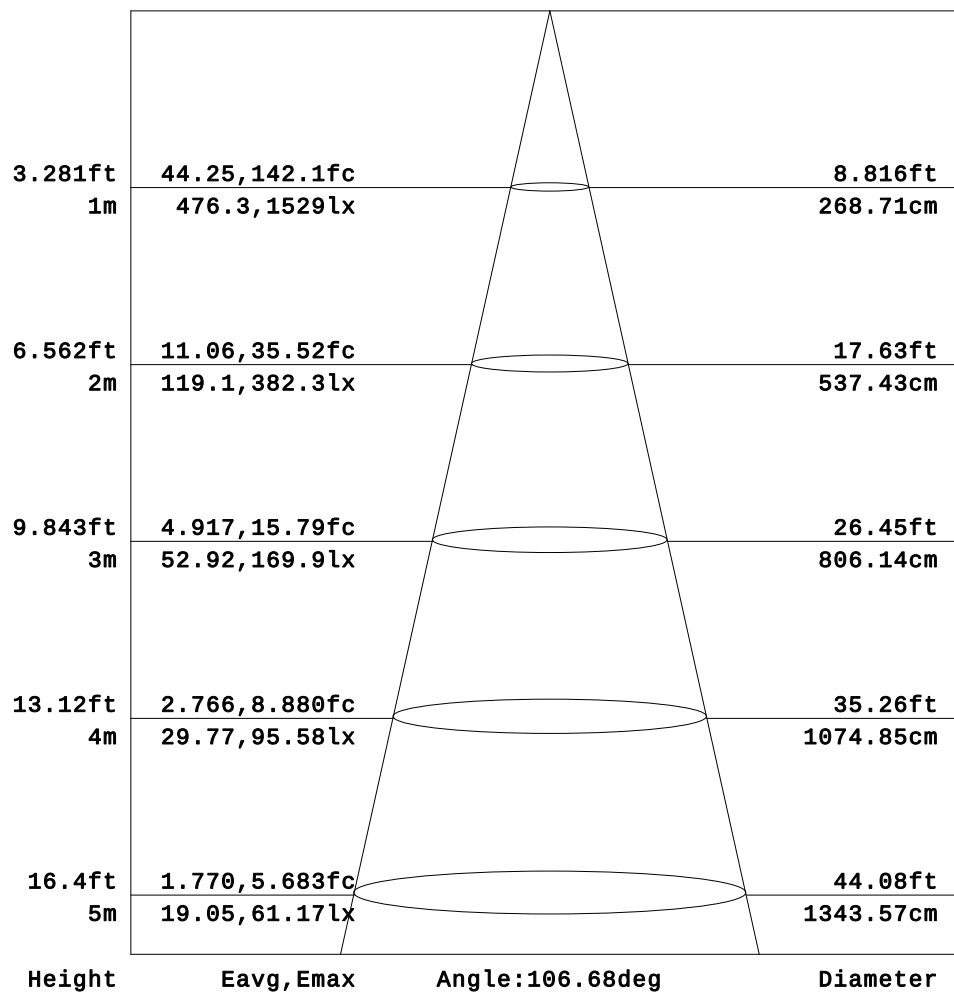
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

AAI Figure

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

Flux out:2733 lm



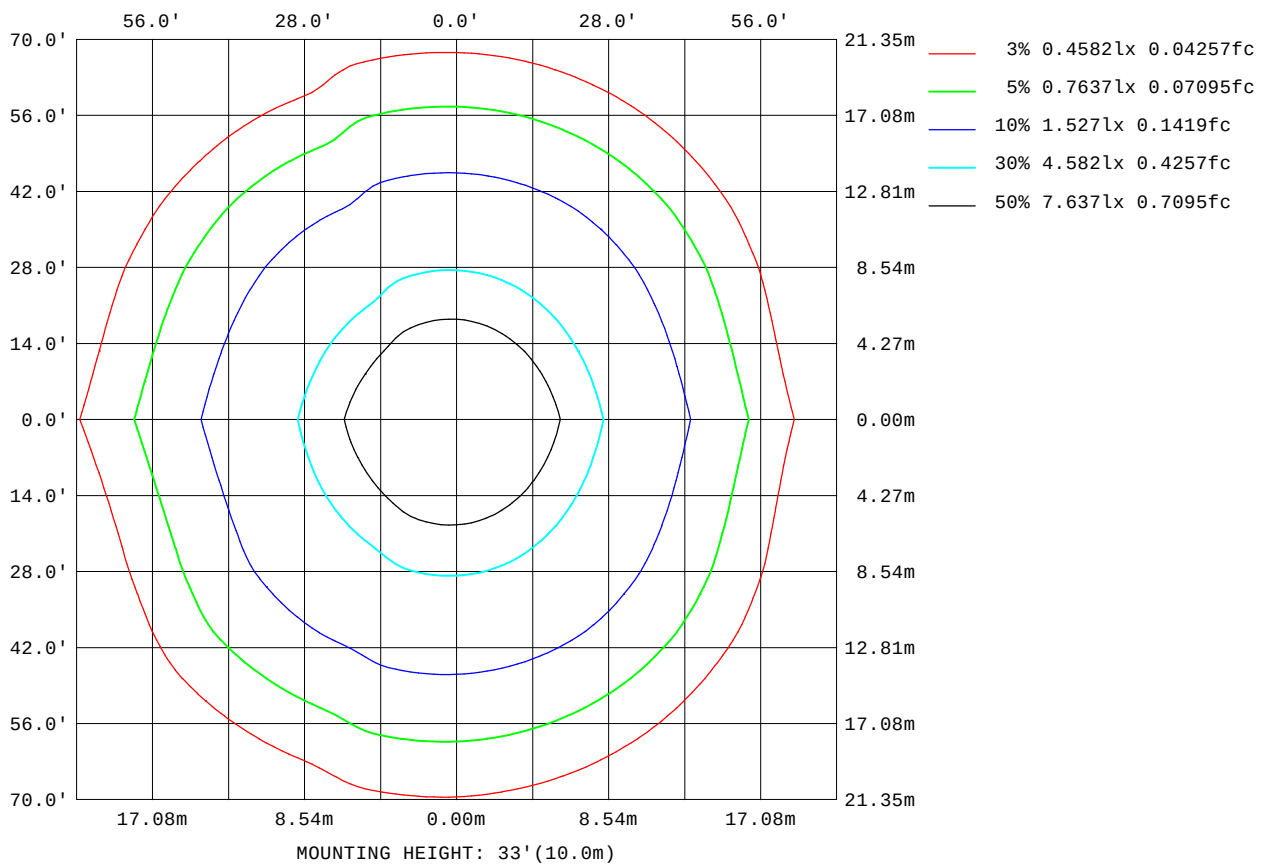
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-11-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

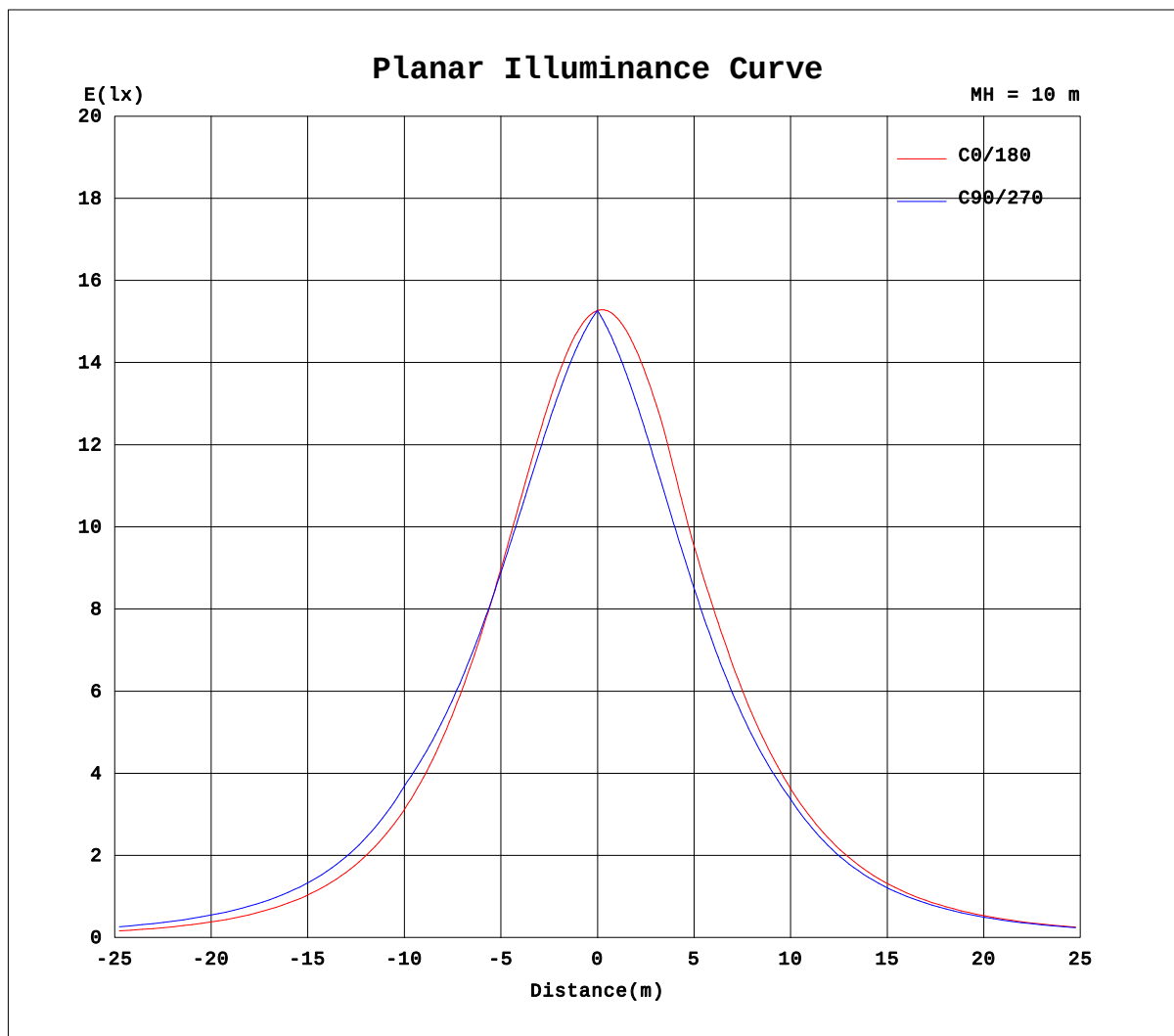
Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-11-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527
5	1506	1501	1497	1493	1489	1486	1483	1480	1478	1476	1475	1474	1473	1472	1472	1472	1472	1473	1474
10	1469	1460	1452	1445	1438	1433	1428	1424	1421	1418	1416	1415	1414	1414	1415	1415	1417	1418	1420
15	1418	1405	1394	1384	1376	1369	1363	1359	1356	1354	1352	1352	1353	1354	1356	1358	1361	1364	1367
20	1356	1339	1325	1313	1304	1296	1290	1287	1284	1284	1285	1287	1289	1293	1297	1301	1305	1309	1313
25	1281	1261	1245	1232	1222	1215	1211	1209	1209	1211	1214	1219	1224	1230	1236	1243	1249	1255	1260
30	1196	1173	1155	1142	1132	1127	1125	1125	1129	1135	1141	1149	1157	1167	1176	1185	1193	1200	1206
35	1101	1076	1057	1043	1035	1032	1034	1038	1046	1055	1066	1078	1091	1103	1115	1126	1137	1146	1153
40	996	969	950	938	932	932	938	947	960	974	990	1007	1023	1039	1055	1069	1081	1091	1099
45	884	855	836	826	823	828	839	854	872	893	914	935	956	976	994	1011	1025	1037	1046
50	765	736	718	711	712	723	739	760	784	811	839	865	880	889	897	906	914	922	930
55	644	614	598	595	601	618	639	667	697	727	740	752	762	772	781	791	799	807	815
60	519	490	478	480	493	515	544	577	592	607	621	636	647	657	667	676	684	692	699
65	395	368	360	369	389	417	443	461	477	492	507	522	534	544	553	562	569	577	584
70	275	251	250	266	293	315	334	352	369	384	399	412	424	433	441	448	455	462	468
75	160	141	148	173	197	218	236	253	269	283	295	306	316	323	330	336	341	347	353
80	57.2	46.5	61.4	92.1	116	135	151	164	176	186	195	203	210	215	220	224	228	233	237
85	5.15	5.37	16.0	38.2	54.5	65.7	74.2	81.2	87.2	92.5	97.2	101	105	108	110	112	115	118	122
90	7.98	6.64	5.76	4.93	4.22	3.57	2.91	2.25	1.76	1.52	1.44	1.35	1.22	1.16	1.12	1.19	1.60	3.77	6.40
95	42.3	51.9	52.1	51.3	50.9	50.8	50.9	50.9	51.1	51.5	51.9	52.3	52.6	52.8	53.0	53.2	53.6	55.3	57.4
100	98.7	94.9	105	102	100	99.9	100	101	101	102	103	103	104	105	105	105	106	107	108
105	151	142	146	156	154	152	152	152	153	153	154	155	156	157	157	157	158	159	160
110	205	193	192	197	207	208	206	205	205	206	207	208	208	209	209	210	209	210	211
115	260	246	241	243	249	258	263	261	260	260	260	261	261	262	262	262	261	262	262
120	315	300	293	292	294	301	309	318	317	316	315	315	315	315	315	314	314	313	313
125	370	354	345	341	341	345	350	357	365	372	370	369	368	368	367	367	366	365	364
130	423	407	397	391	389	390	393	397	403	409	415	421	423	422	420	419	418	416	415
135	473	458	447	440	436	435	436	438	441	446	450	455	459	462	465	467	467	467	466
140	522	507	496	488	482	479	478	479	480	483	485	488	491	493	495	496	496	495	494
145	566	553	542	534	527	523	520	519	519	519	520	522	523	524	525	525	525	523	522
150	607	595	585	576	569	564	560	558	556	555	555	554	554	554	554	554	553	552	550
155	643	632	623	615	608	603	598	595	592	590	588	586	585	584	583	582	581	580	578
160	673	664	656	649	643	637	632	628	624	622	619	617	615	614	612	611	609	607	605
165	696	689	683	677	671	666	662	658	654	651	649	646	644	642	640	638	637	635	633
170	712	707	703	699	694	691	687	684	681	678	675	673	671	669	667	666	664	663	661
175	720	718	715	713	710	708	706	704	702	700	699	697	696	694	693	692	691	690	689
180	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527
5	1475	1477	1479	1481	1483	1486	1489	1492	1495	1499	1503	1507	1511	1515	1520	1524	1529	1533	1528
10	1423	1426	1429	1432	1436	1441	1445	1450	1455	1461	1467	1474	1481	1489	1497	1505	1514	1523	1512
15	1370	1374	1378	1382	1386	1391	1396	1402	1408	1414	1422	1430	1438	1448	1458	1470	1483	1497	1481
20	1318	1322	1326	1330	1334	1338	1343	1348	1351	1354	1358	1365	1374	1384	1396	1410	1427	1446	1422
25	1265	1269	1273	1277	1280	1283	1283	1278	1274	1273	1274	1278	1284	1292	1304	1318	1336	1357	1330
30	1212	1216	1220	1222	1224	1218	1204	1193	1188	1186	1186	1189	1197	1209	1223	1241	1262	1287	1256
35	1159	1163	1166	1167	1161	1139	1119	1112	1108	1106	1108	1113	1120	1130	1144	1161	1183	1210	1176
40	1106	1110	1111	1110	1086	1055	1043	1038	1035	1033	1033	1034	1036	1042	1053	1070	1093	1123	1086
45	1052	1056	1057	1047	1005	980	975	970	965	959	953	948	947	948	955	970	994	1028	988
50	938	945	952	940	904	906	911	904	894	883	871	859	845	835	838	853	881	921	880
55	822	829	834	812	787	795	804	812	821	806	784	751	726	714	715	731	762	808	766
60	706	712	716	688	675	682	689	695	699	700	680	636	606	592	592	607	639	689	648
65	590	595	596	570	564	570	574	577	577	566	539	516	491	472	469	482	514	568	528
70	473	478	478	455	454	457	460	460	457	436	411	390	373	358	351	360	390	445	407
75	357	361	360	343	343	345	346	345	339	318	297	279	263	249	240	250	275	323	290
80	241	245	244	232	233	234	234	232	225	209	194	181	168	156	152	156	167	205	178
85	124	128	128	122	122	123	122	121	116	107	99.0	91.4	84.1	77.0	75.9	74.7	69.9	93.4	80.4
90	7.91	10.8	12.6	12.5	12.0	11.6	10.9	10.1	9.41	8.68	7.94	7.35	6.87	6.52	6.41	6.41	6.23	6.70	5.84
95	58.4	60.5	61.5	57.2	55.6	54.6	53.0	51.5	49.5	47.3	45.1	42.9	40.5	37.4	32.8	22.0	6.24	7.65	4.57
100	109	110	111	102	99.3	97.8	95.3	93.3	90.3	86.9	83.5	80.1	76.5	72.1	66.8	56.8	49.6	62.1	45.0
105	159	160	160	149	143	142	138	136	132	128	124	120	116	113	108	101	101	114	90.6
110	210	210	209	197	187	186	182	179	176	172	167	163	161	157	150	147	151	167	140
115	261	260	259	247	232	231	227	224	222	218	214	211	205	198	194	195	202	219	193
120	311	310	309	300	277	276	274	270	269	266	263	254	247	243	242	245	254	270	246
125	362	361	359	354	327	322	321	317	317	311	303	296	291	289	291	296	307	322	300
130	413	411	409	407	383	368	367	361	353	349	345	340	337	337	340	347	359	373	355
135	463	460	455	450	434	406	401	396	392	387	386	385	385	386	389	397	409	427	412
140	491	487	483	478	472	450	435	434	429	427	426	427	430	435	441	450	462	479	464
145	519	515	511	507	502	494	477	469	470	467	466	468	472	478	486	496	508	526	511
150	547	544	540	536	532	528	523	512	507	508	511	511	512	517	525	534	545	565	552
155	575	572	569	566	563	560	557	555	552	548	548	552	558	565	572	579	589	619	606
160	603	601	599	596	594	592	590	589	589	589	590	592	594	598	604	612	620	658	649
165	632	630	628	627	625	624	623	623	623	623	625	627	629	633	637	641	647	683	676
170	660	659	658	657	657	656	656	657	657	658	659	661	663	665	668	672	676	699	694
175	689	688	688	688	688	688	688	689	689	690	691	692	693	695	697	699	701	701	698
180	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	717	693	693

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm					
NAME: 4FT二代铝材灯 50W 40K A档灯珠			TYPE:上下发光		WEIGHT:
DIM.:			SPEC.:白色外壳 4000K		SERIAL No.:
MFR.: YQ			SUR.:1.2*0.07		PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527
5	1522	1517	1512	1507	1502	1497	1493	1488	1484	1481	1477	1474	1471	1469	1467	1465	1464	1463	1462
10	1501	1491	1482	1473	1464	1456	1448	1441	1434	1428	1423	1418	1413	1409	1406	1403	1400	1398	1397
15	1465	1451	1438	1426	1415	1404	1395	1386	1378	1371	1365	1359	1353	1349	1344	1340	1337	1334	1332
20	1401	1383	1368	1355	1345	1337	1330	1325	1317	1309	1303	1297	1292	1287	1282	1277	1273	1269	1266
25	1306	1286	1269	1254	1243	1235	1233	1238	1242	1244	1239	1233	1229	1224	1219	1215	1210	1205	1200
30	1228	1204	1183	1164	1150	1139	1131	1129	1138	1157	1169	1168	1164	1160	1156	1151	1146	1141	1135
35	1147	1123	1102	1085	1070	1057	1046	1039	1035	1046	1080	1101	1099	1096	1093	1088	1083	1077	1070
40	1055	1031	1012	997	987	978	969	961	954	950	971	1018	1033	1032	1029	1025	1019	1012	1005
45	958	934	917	906	898	894	891	886	881	873	871	921	967	967	965	961	956	948	940
50	850	829	816	810	807	808	810	810	808	803	787	802	863	867	862	856	850	844	838
55	737	720	712	711	714	721	728	732	721	708	693	686	742	759	754	749	744	738	732
60	622	610	607	612	621	633	629	623	617	608	596	584	623	651	647	642	638	633	627
65	507	501	505	516	522	519	517	515	512	506	498	486	508	542	539	536	532	528	523
70	393	395	408	409	407	407	408	409	407	404	399	390	399	434	432	429	425	423	419
75	285	297	297	297	298	300	302	304	304	303	299	293	296	324	324	322	319	318	315
80	187	187	190	193	196	198	200	202	202	202	200	196	196	216	216	215	213	213	211
85	85.4	90.5	93.6	96.0	97.7	99.0	100	101	101	101	100	98.5	97.9	108	109	108	107	108	108
90	5.36	4.77	4.12	3.42	2.75	2.23	1.87	1.44	0.98	0.74	0.73	0.73	0.70	0.73	0.83	0.72	1.23	3.75	4.32
95	16.2	20.2	22.9	26.6	30.4	34.4	39.8	43.2	43.9	43.9	44.9	44.3	49.0	51.1	50.3	47.3	49.4	54.9	56.0
100	36.9	38.6	45.6	52.8	60.6	68.7	80.0	85.4	87.4	85.0	89.1	88.0	98.0	102	99.7	94.0	97.6	106	108
105	75.1	68.4	75.4	85.0	96.2	108	124	128	132	123	134	132	149	152	149	141	146	157	159
110	124	116	116	125	137	155	171	173	177	161	178	177	200	202	198	187	194	208	211
115	175	167	167	174	190	211	218	221	223	216	223	225	253	253	246	234	242	258	263
120	231	222	221	230	249	266	266	270	251	270	266	278	304	303	294	280	290	309	314
125	286	279	280	289	299	304	314	318	298	316	311	338	356	353	340	326	338	359	366
130	343	337	338	340	342	348	352	327	359	359	364	403	407	403	386	373	387	409	417
135	401	394	388	387	388	388	367	392	393	394	420	448	450	446	430	419	435	458	466
140	452	443	437	433	419	417	429	429	431	444	473	479	479	473	457	451	463	482	489
145	497	484	472	472	472	469	470	472	482	502	509	510	508	499	486	482	492	506	513
150	541	531	524	520	519	519	520	527	538	540	540	539	534	525	515	514	521	530	537
155	596	588	581	576	572	573	575	575	574	573	571	567	560	552	546	545	549	556	561
160	640	633	627	623	618	614	611	608	605	602	598	592	586	580	576	576	578	581	585
165	670	664	658	653	649	644	640	636	632	627	622	617	613	609	607	606	607	608	609
170	689	684	679	675	671	666	662	658	654	650	647	643	641	639	637	636	635	635	636
175	696	693	690	687	685	682	680	677	675	673	671	670	668	667	666	665	664	664	663
180	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.2V I:0.4090A P:47.90W PF:0.9910 Lamp Flux:5927.31x1 lm		
NAME: 4FT二代铝材灯 50W 40K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 4000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527	1527				
5	1462	1462	1463	1464	1465	1467	1469	1472	1475	1478	1482	1486	1490	1495	1500				
10	1396	1396	1396	1397	1399	1401	1405	1408	1413	1418	1425	1432	1440	1449	1458				
15	1330	1328	1328	1328	1329	1331	1334	1338	1343	1350	1357	1367	1377	1389	1403				
20	1263	1260	1258	1257	1257	1257	1259	1262	1267	1273	1282	1292	1304	1319	1336				
25	1196	1192	1188	1185	1182	1180	1180	1181	1185	1190	1198	1208	1222	1238	1258				
30	1129	1123	1117	1111	1106	1102	1099	1098	1098	1101	1107	1117	1130	1148	1169				
35	1062	1054	1046	1037	1029	1022	1016	1011	1008	1008	1011	1019	1031	1049	1072				
40	996	986	975	964	953	942	932	922	915	911	910	915	926	942	965				
45	930	918	905	891	876	862	847	832	820	811	806	807	814	828	851				
50	832	825	819	812	802	782	762	742	726	711	701	696	699	710	732				
55	726	719	712	704	697	687	677	655	632	612	597	587	585	592	611				
60	621	614	607	599	589	578	566	555	543	518	496	480	472	473	488				
65	517	510	503	495	485	473	461	448	435	421	401	379	363	357	367				
70	413	407	401	393	383	372	361	348	333	319	303	285	262	249	251				
75	311	306	300	294	285	276	266	254	241	227	211	193	173	151	143				
80	208	205	201	196	190	183	175	167	157	145	131	115	94.0	67.5	50.7				
85	106	104	102	99.2	96.0	92.3	88.1	83.3	77.7	71.1	63.2	52.9	38.3	18.7	7.57				
90	4.11	3.78	3.50	3.27	3.09	2.93	2.76	2.55	2.33	2.11	1.87	1.67	1.50	1.41	1.39				
95	56.0	55.6	55.1	54.5	53.9	53.2	52.4	51.5	50.5	49.4	48.4	47.3	46.1	44.7	40.1				
100	108	108	107	106	105	104	103	101	99.8	98.3	96.9	96.0	96.1	97.3	89.0				
105	160	160	159	158	157	155	154	152	151	150	149	149	150	141	139				
110	212	212	211	210	209	208	206	205	204	204	205	203	193	188	191				
115	264	264	264	263	262	261	260	260	260	262	256	247	240	239	245				
120	316	317	317	316	316	316	316	317	318	307	299	293	290	292	299				
125	368	369	370	370	371	372	373	365	357	350	344	340	340	344	354				
130	420	422	424	425	423	417	410	404	398	393	390	389	391	397	407				
135	467	465	463	460	456	452	447	443	439	436	435	436	441	448	459				
140	491	491	490	490	488	486	484	482	480	479	480	483	489	497	508				
145	514	516	517	518	519	519	520	520	520	522	524	528	535	543	554				
150	538	540	542	544	546	549	552	555	558	561	565	570	577	586	596				
155	562	563	565	568	571	575	579	584	589	594	600	607	614	622	632				
160	587	588	589	591	594	598	602	606	612	618	624	631	638	646	655				
165	611	612	613	614	616	619	622	626	630	635	640	645	651	657	663				
170	636	637	638	639	640	641	643	645	648	650	654	657	661	664	668				
175	663	663	663	664	665	665	666	667	669	670	671	673	675	677	679				
180	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks: