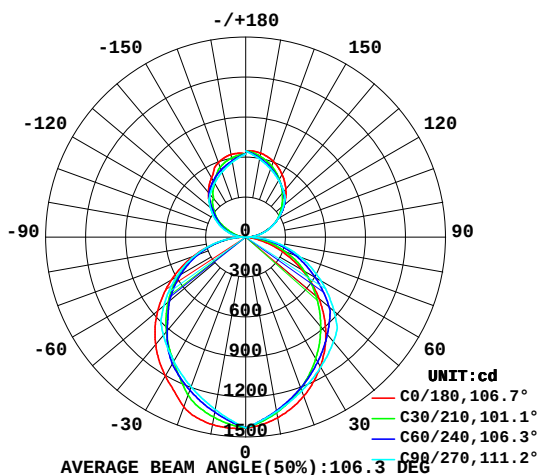


LUMINAIRE PHOTOMETRIC TEST REPORT

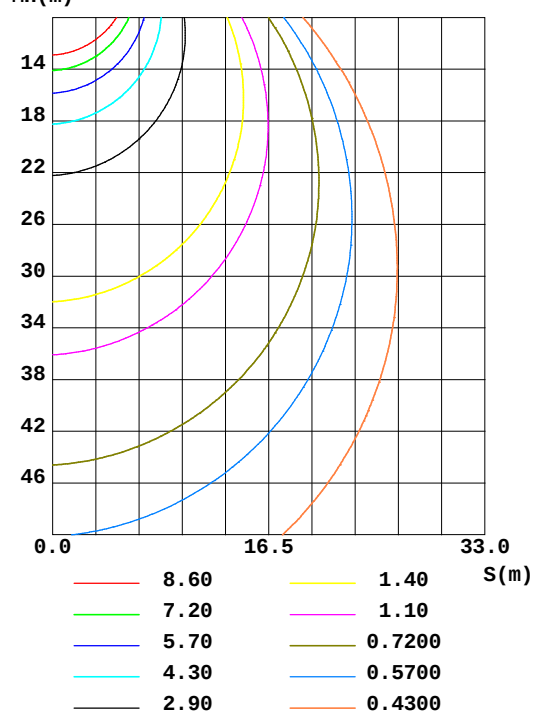
Test:U:118.2V I:0.4090A P:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.33 lm/W			
MODEL		I _{max} (cd)	1438	S/MH(C0/180)	1.17
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	118	TOTAL FLUX(lm)	5487.8	η UP, DN(C0-180)	15.7, 34.9
NOMINAL FLUX(lm)	5487.81	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	15.5, 33.9
LAMPS INSIDE	1	η up(%)	31.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	118.2	η down(%)	68.8	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



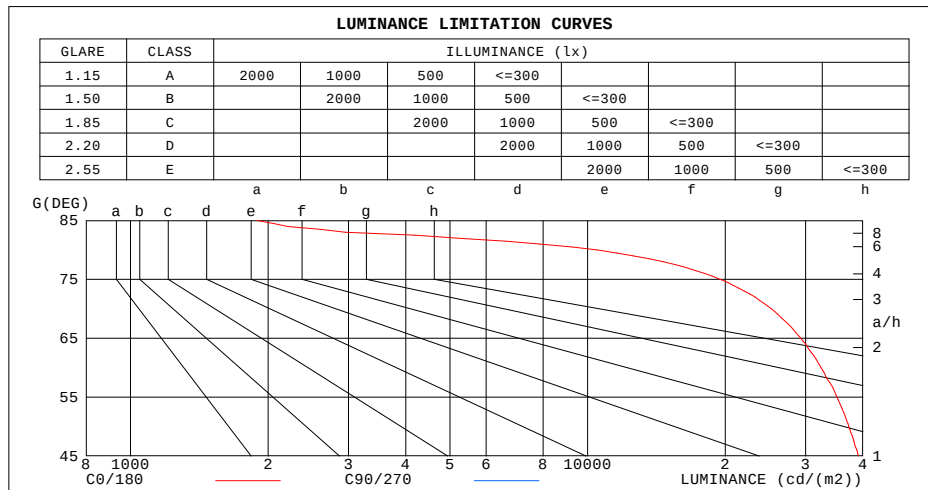
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 26.3DEG
 Operators: Ethan
 Test Date: 2021-11-09

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	1412	1383	1382	1401	1438	1396	1374	1378	0- 5	33.64	33.64	0.61, 0.61
10	1377	1328	1331	1364	1429	1352	1315	1317	5- 10	97.93	131.6	2.4, 2.4
15	1330	1267	1280	1319	1405	1301	1256	1252	10- 15	156.7	288.3	5.25, 5.25
20	1272	1202	1229	1265	1357	1244	1197	1182	15- 20	208.5	496.8	9.05, 9.05
25	1202	1133	1178	1191	1273	1163	1138	1109	20- 25	251.6	748.4	13.6, 13.6
30	1122	1061	1127	1109	1205	1063	1079	1034	25- 30	285.5	1034	18.8, 18.8
35	1034	985.9	1076	1033	1133	979.7	1020	956.2	30- 35	310.8	1345	24.5, 24.5
40	936.5	909.8	1025	963.9	1052	906.3	960.7	877.6	35- 40	327.3	1672	30.5, 30.5
45	829.6	833.4	974.0	897.8	962.2	835.4	901.7	798.1	40- 45	334.9	2007	36.6, 36.6
50	719.6	755.6	866.4	830.1	862.0	764.7	801.7	718.6	45- 50	331.7	2339	42.6, 42.6
55	604.6	677.3	758.9	760.9	755.3	691.5	701.6	639.3	50- 55	315.2	2654	48.4, 48.4
60	486.4	565.3	651.4	647.1	644.1	588.2	601.5	535.1	55- 60	287.9	2942	53.6, 53.6
65	371.2	458.4	543.8	535.1	530.5	486.0	501.4	434.9	60- 65	252.1	3194	58.2, 58.2
70	258.9	358.3	436.3	423.5	415.8	385.5	401.4	340.6	65- 70	210.1	3404	62, 62
75	151.5	263.2	328.8	313.4	302.2	286.8	301.3	251.0	70- 75	164.0	3568	65, 65
80	54.62	172.9	221.2	207.9	191.2	190.2	201.2	165.5	75- 80	116.2	3684	67.1, 67.1
85	4.946	86.25	113.7	106.8	86.97	95.22	101.1	83.05	80- 85	68.81	3753	68.4, 68.4
90	6.988	1.437	6.184	8.508	6.058	1.297	1.048	2.388	85- 90	23.87	3777	68.8, 68.8
95	38.29	46.43	52.14	44.49	7.166	39.31	44.33	47.29	90- 95	12.23	3789	69, 69
100	88.77	91.90	98.10	81.11	56.76	77.75	87.61	92.71	95-100	33.53	3822	69.7, 69.7
105	135.4	138.2	144.1	118.9	103.4	116.9	130.9	139.1	100-105	55.40	3878	70.7, 70.7
110	184.0	185.5	190.0	158.2	151.8	157.7	174.2	186.7	105-110	76.79	3955	72.1, 72.1
115	233.6	234.3	236.0	199.3	198.1	201.0	217.5	235.5	110-115	97.11	4052	73.8, 73.8
120	283.3	284.4	281.9	241.5	248.2	245.4	260.7	285.9	115-120	115.4	4167	75.9, 75.9
125	332.3	335.4	327.9	284.9	293.5	281.6	304.0	337.2	120-125	130.7	4298	78.3, 78.3
130	380.1	368.6	373.9	317.6	339.3	301.6	347.3	371.2	125-130	142.2	4440	80.9, 80.9
135	425.9	401.6	419.8	352.2	390.7	356.5	390.6	404.6	130-135	149.3	4589	83.6, 83.6
140	469.5	434.6	445.0	384.8	435.7	389.4	416.7	437.5	135-140	150.5	4740	86.4, 86.4
145	509.8	467.6	470.2	420.7	478.4	428.2	442.8	468.9	140-145	147.1	4887	89, 89
150	546.5	499.9	495.4	453.9	514.4	477.3	468.9	497.1	145-150	139.6	5026	91.6, 91.6
155	578.7	530.7	520.7	495.7	562.2	520.7	495.0	520.8	150-155	128.1	5155	93.9, 93.9
160	605.9	559.4	545.9	530.3	597.0	549.6	521.1	541.2	155-160	112.6	5267	96, 96
165	626.3	586.3	571.1	562.2	618.4	573.7	547.1	560.5	160-165	92.75	5360	97.7, 97.7
170	640.9	610.3	596.3	593.3	630.1	593.2	573.2	580.4	165-170	69.52	5429	98.9, 98.9
175	648.3	630.8	621.5	622.2	631.6	610.6	599.3	601.9	170-175	43.44	5473	99.7, 99.7
180	646.7	646.7	646.7	646.7	625.4	625.4	625.4	625.4	175-180	14.93	5488	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1892	43492
80	10485	42471
75	19516	42344
70	25229	42523
65	29280	42895
60	32425	43425
55	35134	44104
50	37314	44931
45	39108	45914

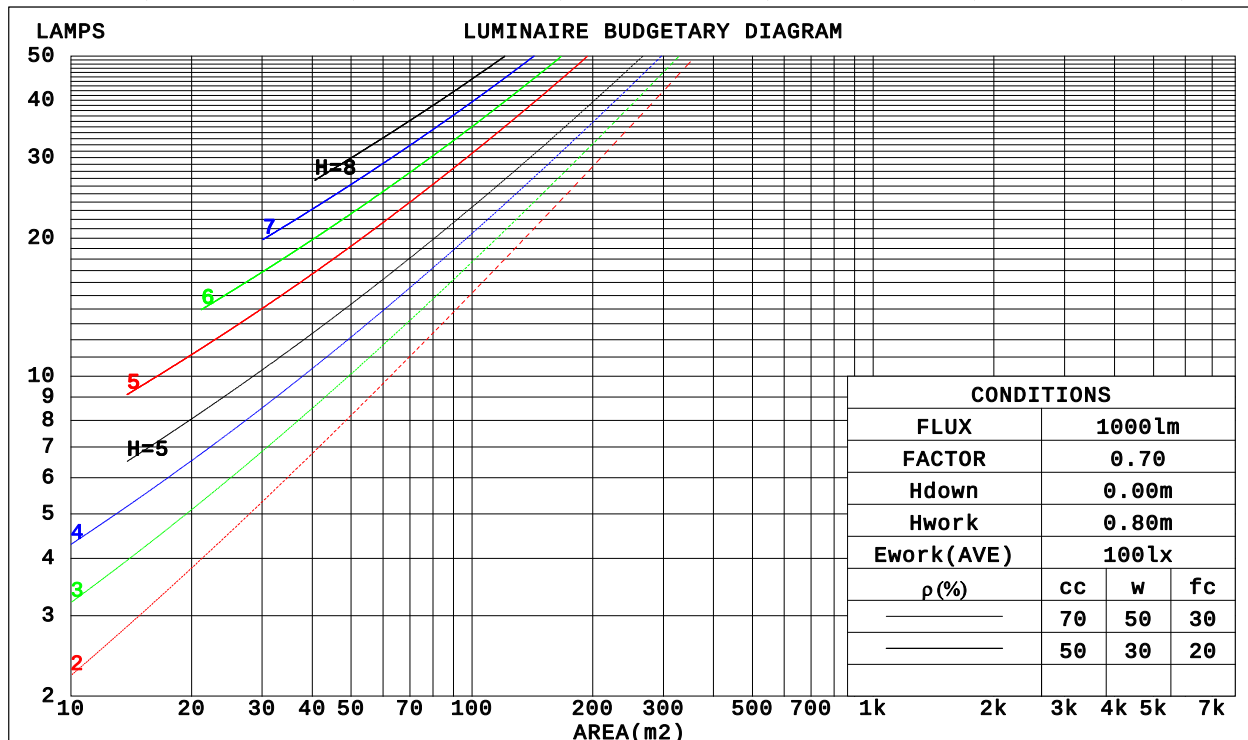
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-11-09

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	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	1.12	1.12	1.12	1.05	1.05	1.05	.94	.94	.94	.83	.83	.83	.73	.73	.73	.69
1.0	.97	.93	.89	.92	.88	.85	.82	.79	.76	.73	.71	.69	.64	.63	.61	.57
2.0	.84	.78	.72	.80	.74	.69	.71	.67	.63	.64	.60	.57	.56	.54	.51	.47
3.0	.74	.66	.60	.70	.63	.58	.63	.57	.53	.56	.52	.48	.50	.46	.43	.40
4.0	.65	.57	.51	.62	.55	.49	.56	.50	.45	.50	.45	.41	.44	.40	.37	.34
5.0	.58	.50	.44	.55	.48	.42	.50	.43	.39	.45	.39	.35	.40	.36	.32	.29
6.0	.52	.44	.38	.50	.42	.36	.45	.38	.34	.40	.35	.31	.36	.32	.28	.26
7.0	.47	.39	.33	.45	.37	.32	.41	.34	.30	.37	.31	.27	.33	.29	.25	.23
8.0	.43	.35	.29	.41	.34	.28	.37	.31	.26	.34	.28	.24	.30	.26	.23	.20
9.0	.39	.32	.26	.38	.30	.25	.34	.28	.24	.31	.26	.22	.28	.24	.20	.18
10.0	.36	.29	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.26	.22	.18	.17



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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm					
NAME: 4FT二代铝材灯 50W 30K A档灯珠			TYPE:上下发光		WEIGHT:
DIM.:			SPEC.:白色外壳 3000K		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	.170	.054	.282	.161	.051	.251	.144	.046	.223	.128	.041	.197	.114	.037	
2.0	.277	.152	.047	.262	.144	.045	.234	.130	.040	.209	.117	.037	.185	.104	.033	
3.0	.255	.136	.041	.242	.130	.039	.217	.117	.036	.193	.106	.032	.171	.095	.029	
4.0	.236	.122	.036	.223	.117	.035	.200	.106	.032	.178	.096	.029	.158	.086	.026	
5.0	.218	.111	.032	.207	.106	.031	.185	.096	.028	.165	.087	.026	.147	.079	.024	
6.0	.202	.101	.029	.192	.097	.028	.172	.088	.026	.154	.080	.024	.137	.072	.021	
7.0	.188	.093	.026	.179	.089	.025	.161	.081	.023	.144	.074	.021	.128	.066	.020	
8.0	.176	.086	.024	.167	.082	.023	.150	.075	.021	.135	.068	.020	.120	.062	.018	
9.0	.165	.080	.022	.157	.076	.021	.141	.070	.020	.127	.063	.018	.113	.057	.017	
10.0	.155	.074	.021	.147	.071	.020	.133	.065	.018	.119	.059	.017	.107	.054	.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	.428	.428	.428	.366	.366	.366	.250	.250	.250	.143	.143	.143	.046	.046	.046	
1.0	.419	.396	.375	.359	.340	.323	.245	.234	.223	.141	.135	.130	.045	.044	.042	
2.0	.411	.373	.341	.352	.321	.295	.241	.222	.206	.139	.129	.120	.045	.042	.039	
3.0	.404	.357	.319	.346	.308	.276	.238	.214	.194	.137	.125	.114	.044	.041	.037	
4.0	.397	.344	.304	.341	.297	.264	.234	.207	.186	.136	.121	.110	.044	.040	.036	
5.0	.390	.334	.293	.335	.289	.255	.231	.202	.180	.134	.119	.107	.043	.039	.035	
6.0	.383	.327	.286	.330	.283	.249	.227	.198	.176	.132	.116	.105	.043	.038	.035	
7.0	.377	.320	.280	.324	.278	.244	.224	.195	.173	.130	.115	.103	.042	.038	.034	
8.0	.371	.315	.276	.319	.273	.241	.221	.192	.171	.129	.113	.102	.042	.037	.034	
9.0	.365	.310	.273	.315	.269	.238	.218	.189	.169	.127	.112	.101	.041	.037	.033	
10.0	.360	.306	.270	.310	.266	.236	.215	.187	.168	.126	.111	.100	.041	.036	.033	

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm											
NAME: 4FT二代铝材灯 50W 30K A档灯珠						TYPE:上下发光			WEIGHT:		
DIM.:						SPEC.:白色外壳 3000K			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	22.7	23.8	23.3	24.5	25.2	24.3	25.4	24.9	26.0	26.8	
	3H	23.7	24.7	24.4	25.4	26.2	25.9	26.9	26.6	27.6	28.4
	4H	23.9	24.9	24.6	25.6	26.4	26.7	27.6	27.4	28.3	29.2
	6H	24.0	24.9	24.7	25.6	26.5	27.3	28.2	28.0	28.9	29.8
	8H	23.9	24.8	24.6	25.5	26.4	27.5	28.4	28.2	29.1	30.0
	12H	23.8	24.6	24.6	25.4	26.3	27.7	28.5	28.4	29.2	30.1
4H	2H	23.4	24.4	24.1	25.1	25.9	24.6	25.6	25.3	26.3	27.1
	3H	24.6	25.5	25.4	26.2	27.1	26.5	27.3	27.2	28.0	28.9
	4H	25.0	25.8	25.8	26.5	27.5	27.4	28.1	28.1	28.9	29.8
	6H	25.2	25.8	26.0	26.6	27.6	28.1	28.8	28.9	29.5	30.5
	8H	25.1	25.7	25.9	26.5	27.5	28.4	29.0	29.2	29.8	30.8
	12H	25.1	25.6	25.9	26.4	27.4	28.6	29.2	29.5	30.0	31.0
8H	4H	25.5	26.1	26.3	26.9	27.8	27.5	28.1	28.3	28.9	29.9
	6H	25.8	26.3	26.7	27.2	28.2	28.4	28.9	29.2	29.7	30.7
	8H	25.9	26.3	26.8	27.2	28.2	28.8	29.2	29.7	30.1	31.1
	12H	25.9	26.3	26.8	27.1	28.2	29.2	29.5	30.0	30.4	31.4
12H	4H	25.5	26.1	26.3	26.9	27.9	27.4	28.0	28.3	28.8	29.8
	6H	26.0	26.4	26.8	27.3	28.3	28.4	28.8	29.3	29.7	30.7
	8H	26.1	26.5	27.0	27.4	28.4	28.9	29.2	29.7	30.1	31.2
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 5488 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.9)

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

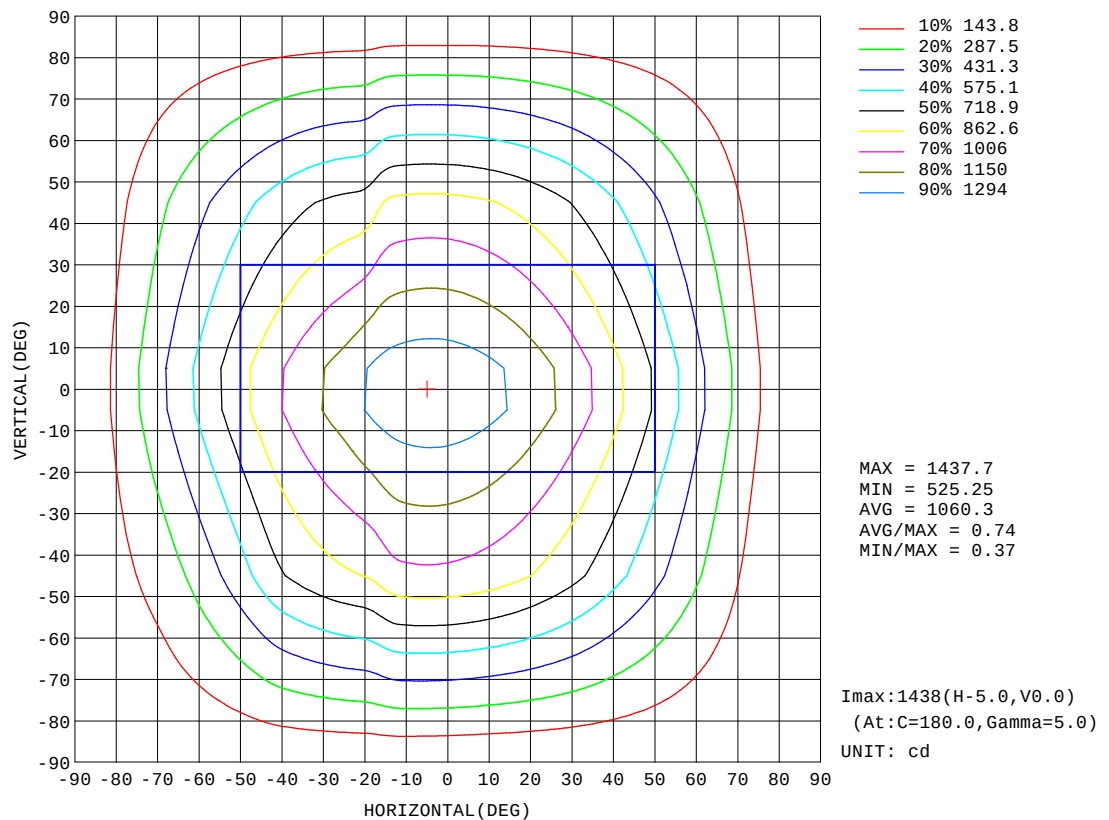
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	38	31	47	37	30	44	35	29	22
0.80	58	47	40	56	45	39	52	43	37	28
1.00	66	55	48	64	53	46	58	51	44	34
1.25	73	62	55	70	60	53	64	56	50	39
1.50	79	68	61	75	65	59	68	60	55	42
2.00	86	76	69	81	73	67	73	67	62	48
2.50	90	81	75	85	78	72	77	71	66	50
3.00	93	86	80	88	82	77	79	74	70	53
4.00	98	91	86	92	87	82	83	79	75	57
5.00	100	95	90	95	90	86	85	81	78	59
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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:



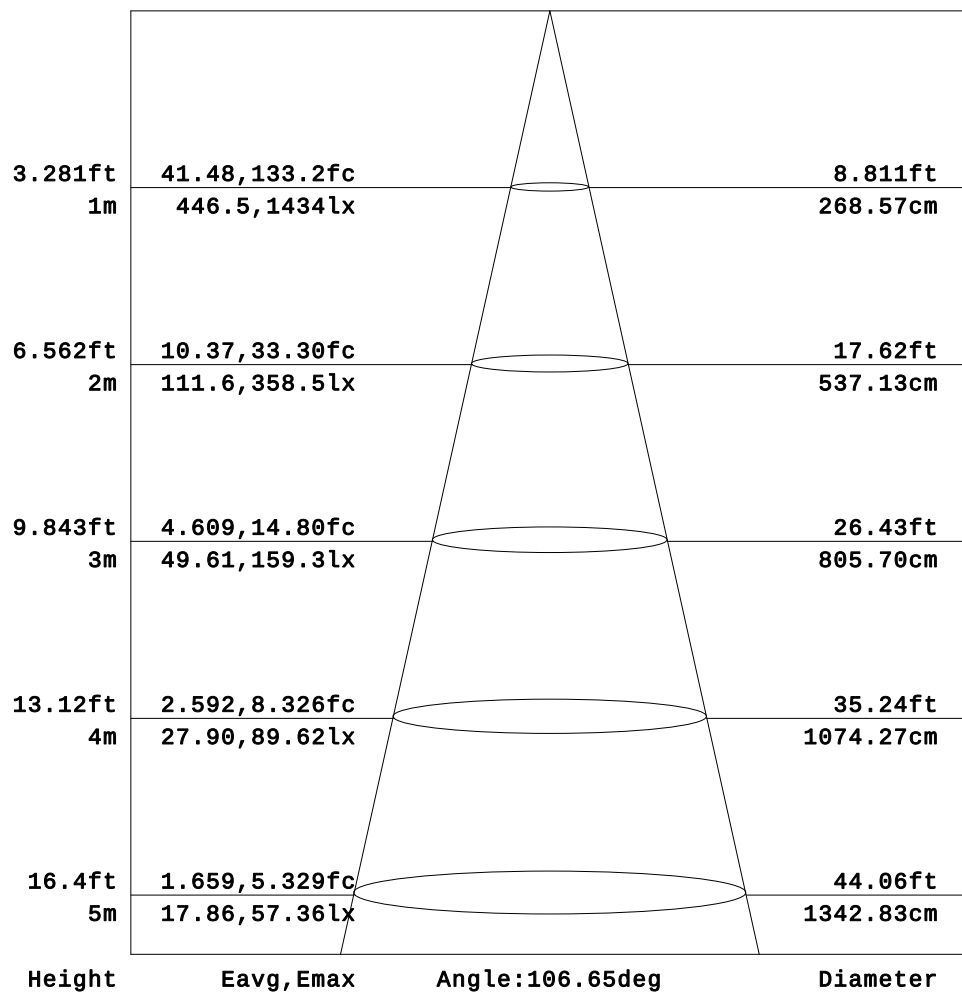
C Range: 0 - 360DEG
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Temperature:26.3DEG
Operators:Ethan
Test Date:2021-11-09

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:

Flux out:2562 lm



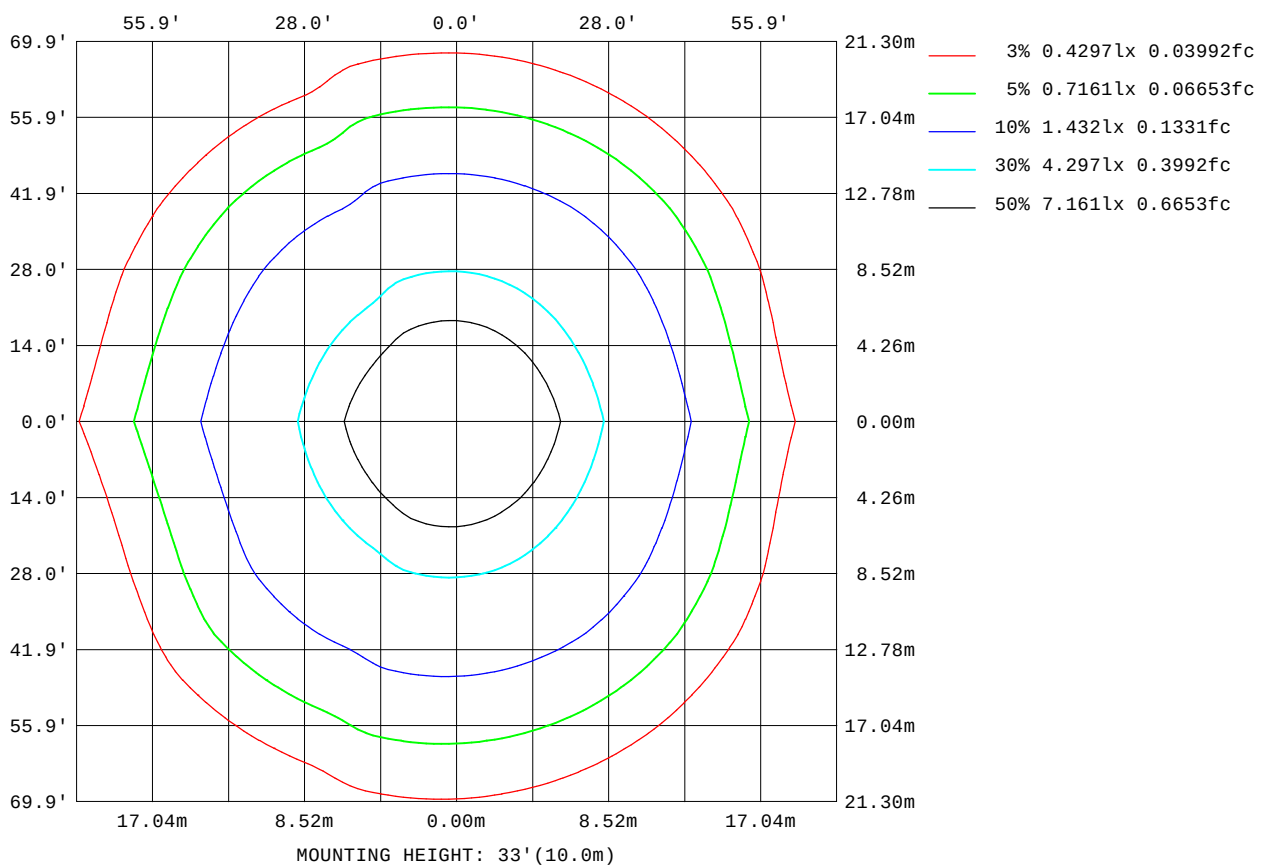
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

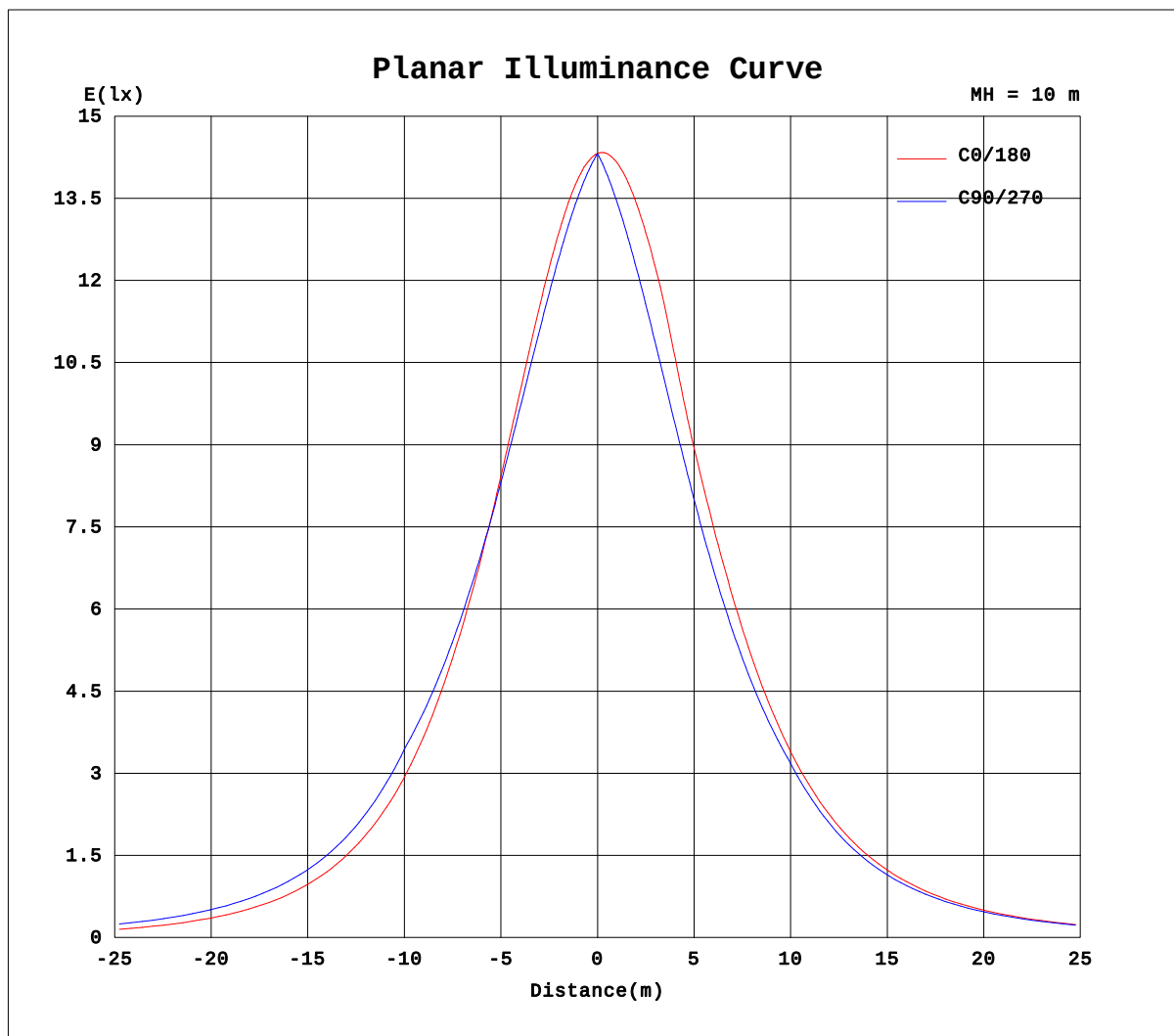
Test:U:118.2V I:0.4090A P:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	SERIAL No.:
MFR.: YQ	SUR.:1.2*0.07	PROTECTION ANGLE:



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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	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	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432
5	1412	1407	1403	1399	1396	1393	1390	1388	1385	1383	1382	1381	1380	1379	1379	1379	1380	1380	1382
10	1377	1369	1361	1354	1348	1342	1338	1334	1330	1328	1326	1325	1324	1324	1325	1325	1327	1328	1331
15	1330	1318	1307	1297	1289	1282	1277	1272	1269	1267	1266	1266	1266	1267	1269	1271	1273	1276	1280
20	1272	1256	1242	1231	1221	1214	1209	1205	1203	1202	1202	1204	1206	1209	1212	1216	1220	1224	1229
25	1202	1183	1168	1155	1145	1138	1134	1132	1131	1133	1136	1139	1144	1150	1155	1161	1167	1172	1178
30	1122	1101	1083	1070	1061	1055	1053	1053	1056	1061	1066	1074	1081	1090	1098	1106	1114	1120	1127
35	1034	1010	991	978	970	966	967	971	977	986	996	1006	1018	1029	1041	1051	1060	1069	1076
40	936	910	891	879	873	873	877	885	897	910	924	939	954	969	983	996	1007	1017	1025
45	830	802	784	774	771	775	785	798	814	833	852	871	891	909	926	941	954	965	974
50	720	691	673	666	668	676	691	709	731	756	781	805	819	827	835	844	851	859	866
55	605	576	561	557	563	578	597	622	650	677	689	700	709	718	727	736	744	751	759
60	486	459	447	450	461	482	508	538	552	565	578	591	602	611	620	629	636	644	651
65	371	345	338	345	364	390	414	430	444	458	473	486	497	506	515	523	530	537	544
70	259	236	235	249	274	295	312	328	344	358	371	384	394	403	410	417	424	430	436
75	152	133	140	162	184	204	221	237	251	263	275	285	294	301	307	313	318	323	329
80	54.6	44.2	58.0	86.5	109	127	141	153	164	173	181	189	195	200	204	208	212	217	221
85	4.95	5.15	15.1	36.0	51.0	61.4	69.4	75.9	81.4	86.3	90.6	94.5	97.8	100	103	105	107	110	114
90	6.99	6.05	5.25	4.52	3.88	3.32	2.72	2.11	1.67	1.44	1.37	1.28	1.15	1.10	1.06	1.11	1.52	3.64	6.18
95	38.3	46.8	47.0	46.0	45.9	45.9	45.9	45.9	46.1	46.4	46.8	47.2	47.4	47.6	47.8	48.0	48.4	50.1	52.1
100	88.8	85.5	94.5	91.9	90.4	90.0	90.2	90.6	91.1	91.9	92.7	93.3	93.8	94.3	94.7	94.9	95.2	96.6	98.1
105	135	128	131	140	138	137	137	137	137	138	139	140	141	141	142	142	142	143	144
110	184	174	173	178	187	187	185	185	185	186	186	187	188	188	189	189	189	190	190
115	234	221	217	219	225	233	237	235	235	234	235	235	235	236	236	236	236	236	236
120	283	270	264	262	265	271	278	287	285	284	284	284	283	284	284	283	283	283	282
125	332	319	310	307	307	310	315	322	329	335	334	333	332	332	331	331	330	329	328
130	380	366	357	352	350	351	353	358	363	369	374	380	381	380	379	378	377	375	374
135	426	412	403	396	393	392	392	394	398	402	406	410	413	417	419	421	421	421	420
140	469	457	447	439	434	432	431	431	433	435	437	440	442	444	446	447	447	446	445
145	510	498	488	480	475	471	468	467	467	468	469	470	471	472	473	473	473	472	470
150	546	535	526	519	513	508	504	502	501	500	499	499	499	499	499	499	498	497	495
155	579	569	561	554	547	542	538	535	533	531	529	528	527	526	525	525	524	522	521
160	606	598	591	584	578	573	569	565	562	559	557	555	554	552	551	550	549	547	546
165	626	620	614	609	604	600	596	592	589	586	584	582	580	578	577	575	574	572	571
170	641	637	632	629	625	621	618	615	613	610	608	606	604	603	601	600	598	597	596
175	648	646	644	642	640	638	636	634	632	631	629	628	627	626	625	624	623	622	621
180	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	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	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432
5	1383	1384	1386	1388	1390	1393	1396	1398	1401	1405	1408	1412	1416	1420	1425	1429	1433	1438	1433
10	1333	1335	1338	1342	1345	1350	1354	1359	1364	1369	1375	1382	1388	1396	1403	1412	1420	1429	1419
15	1283	1286	1290	1294	1298	1303	1308	1313	1319	1326	1332	1340	1348	1357	1368	1379	1392	1405	1390
20	1233	1237	1241	1245	1249	1253	1258	1262	1265	1268	1272	1278	1286	1296	1308	1322	1338	1357	1335
25	1182	1187	1191	1194	1197	1200	1199	1195	1191	1190	1192	1196	1202	1210	1221	1235	1252	1273	1248
30	1132	1136	1140	1142	1144	1138	1124	1113	1109	1108	1109	1112	1120	1132	1146	1163	1182	1205	1177
35	1081	1086	1088	1090	1083	1061	1042	1036	1033	1032	1035	1040	1045	1055	1068	1085	1107	1133	1101
40	1031	1035	1036	1035	1011	980	970	967	964	963	962	963	967	974	985	1001	1023	1052	1017
45	980	984	984	974	933	909	906	902	898	892	887	883	883	885	892	906	930	962	926
50	874	880	886	873	838	840	845	839	830	820	810	799	786	778	781	796	823	862	824
55	766	772	777	754	729	737	745	753	761	747	727	697	673	662	665	681	711	755	717
60	658	663	667	638	625	632	639	644	647	648	628	587	560	547	548	564	596	644	606
65	549	554	555	528	523	528	532	534	535	523	496	474	451	434	433	447	479	531	493
70	441	446	445	421	420	424	426	426	423	402	378	357	340	327	322	332	363	416	381
75	333	337	335	317	318	320	321	320	313	293	273	255	240	226	217	230	255	302	271
80	224	228	227	215	216	217	217	215	208	192	178	165	153	141	137	142	155	191	166
85	116	119	119	113	113	114	113	112	107	98.4	90.7	83.4	76.5	69.7	68.9	68.0	69.5	87.0	74.3
90	7.63	10.2	11.8	11.6	11.1	10.7	9.97	9.21	8.51	7.82	7.16	6.64	6.28	5.97	5.89	5.90	5.77	6.06	5.44
95	53.1	55.0	55.9	51.7	50.2	49.3	47.8	46.4	44.5	42.5	40.6	38.7	36.5	33.7	29.4	19.6	5.49	7.17	4.35
100	98.6	99.8	100	92.3	89.4	88.2	85.8	84.0	81.1	78.1	75.1	72.1	68.9	64.8	60.1	50.8	44.4	56.8	41.1
105	144	145	144	134	129	128	124	122	119	115	111	108	105	101	97.2	91.1	89.8	103	82.1
110	190	190	189	177	168	167	164	161	158	154	150	147	145	141	135	132	136	152	128
115	235	235	233	223	208	208	204	202	199	196	192	189	184	178	175	176	182	198	175
120	281	280	278	270	249	248	247	243	241	239	236	228	222	218	217	220	229	248	226
125	327	325	323	319	293	289	289	285	285	280	272	266	262	260	261	266	276	293	274
130	372	371	369	367	344	330	329	325	318	314	310	306	303	303	306	312	322	339	323
135	418	415	411	405	391	364	360	356	352	348	347	346	346	347	350	357	367	391	376
140	443	440	436	431	425	404	390	389	385	384	383	384	387	391	397	405	415	436	422
145	468	465	461	457	452	445	428	421	421	418	418	420	424	429	437	446	457	478	464
150	493	491	487	484	480	476	470	460	454	455	457	457	458	463	470	478	489	514	502
155	519	517	514	511	508	505	502	500	496	492	491	494	499	505	511	518	526	562	551
160	544	542	540	538	536	534	532	531	530	530	531	531	533	537	541	548	555	597	588
165	570	569	567	566	565	564	563	562	562	563	564	565	567	570	573	577	582	618	612
170	595	595	594	594	593	593	593	593	593	594	595	597	599	601	604	607	610	630	626
175	621	621	620	620	620	621	621	622	622	623	624	625	626	628	629	631	633	632	629
180	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	625	625

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm		
NAME: 4FT二代铝材灯 50W 30K A档灯珠	TYPE:上下发光	WEIGHT:
DIM.:	SPEC.:白色外壳 3000K	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	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432
5	1428	1423	1418	1413	1408	1404	1399	1396	1392	1389	1386	1383	1380	1378	1376	1375	1374	1372	1372
10	1409	1399	1390	1381	1373	1366	1358	1352	1346	1340	1335	1330	1326	1323	1319	1317	1315	1313	1311
15	1375	1362	1350	1338	1328	1318	1309	1301	1294	1287	1281	1276	1271	1266	1262	1258	1256	1253	1250
20	1315	1298	1284	1272	1263	1255	1250	1244	1236	1230	1224	1218	1213	1209	1204	1200	1197	1193	1190
25	1226	1207	1192	1179	1168	1162	1160	1163	1168	1169	1164	1159	1155	1150	1146	1142	1138	1133	1129
30	1152	1131	1111	1094	1081	1072	1065	1063	1071	1089	1100	1098	1095	1091	1087	1083	1079	1074	1068
35	1074	1052	1033	1017	1005	995	986	980	977	987	1017	1036	1034	1032	1028	1024	1020	1014	1008
40	989	967	950	937	927	919	913	906	901	898	917	960	973	972	969	965	961	955	947
45	898	876	861	851	844	841	838	835	832	826	826	870	911	911	910	906	902	895	887
50	797	778	767	761	759	760	763	765	764	760	747	761	814	818	812	807	802	796	791
55	691	675	668	668	672	679	686	692	682	670	657	652	701	716	711	706	702	697	692
60	583	572	570	575	585	597	594	588	583	574	565	554	589	613	610	606	602	597	592
65	474	469	474	485	491	489	488	486	483	478	471	462	481	511	508	505	501	498	494
70	368	371	383	385	383	383	385	385	385	382	377	370	378	409	407	404	401	399	395
75	266	278	278	279	281	283	285	287	287	286	283	278	281	306	305	303	301	300	297
80	174	175	178	181	184	186	188	190	191	191	189	186	186	203	204	202	201	201	199
85	79.4	84.5	87.6	90.1	91.9	93.2	94.3	95.2	95.5	95.5	94.7	93.3	93.0	102	102	102	102	101	101
90	4.99	4.45	3.84	3.21	2.59	2.08	1.72	1.30	0.87	0.70	0.68	0.69	0.65	0.69	0.80	0.68	1.05	3.30	3.83
95	15.0	18.6	21.1	24.5	27.8	31.5	36.3	39.3	39.9	38.3	40.8	40.2	44.3	46.1	45.3	42.6	44.3	49.6	50.6
100	34.3	35.6	42.0	48.4	55.5	62.8	73.1	77.8	79.5	74.2	80.9	79.7	88.6	91.6	89.7	84.4	87.6	95.8	97.3
105	68.7	62.9	69.2	77.8	87.9	98.6	113	117	120	109	121	119	134	137	134	126	131	142	144
110	113	106	106	115	126	142	156	158	161	150	162	160	181	183	178	168	174	188	191
115	160	153	153	160	173	193	198	201	199	201	202	203	229	228	222	210	217	234	238
120	210	203	202	209	228	242	243	245	222	245	241	251	275	273	264	251	261	280	284
125	261	254	255	264	273	277	285	282	281	287	281	306	321	318	306	293	304	325	331
130	313	308	309	310	311	316	319	302	326	325	329	364	367	362	348	335	347	370	377
135	366	358	354	352	353	348	337	357	357	357	380	405	406	401	387	376	391	414	421
140	411	403	398	392	377	386	390	389	391	402	428	433	432	426	412	405	417	435	443
145	451	439	432	431	429	426	427	428	436	454	460	460	457	449	437	433	443	457	464
150	492	483	476	472	471	471	471	477	487	489	488	486	481	473	463	462	469	479	485
155	542	534	528	522	519	519	521	521	519	517	515	511	504	497	491	490	495	501	507
160	580	574	569	564	560	556	553	550	546	543	539	533	528	522	519	518	521	525	528
165	606	600	595	591	586	582	578	574	570	565	561	556	552	549	547	546	547	549	550
170	621	617	613	609	605	601	597	593	589	586	582	580	577	575	574	573	573	574	574
175	627	624	622	619	617	615	613	611	609	607	605	604	602	601	601	600	599	599	599
180	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625

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:48.00W PF:0.9910 Lamp Flux:5487.81x1 lm																	
NAME: 4FT二代铝材灯 50W 30K A档灯珠									TYPE:上下发光						WEIGHT:		
DIM.:									SPEC.:白色外壳 3000K						SERIAL No.:		
MFR.: YQ									SUR.:1.2*0.07						PROTECTION ANGLE:		

Table--4

UNIT: cd

C(°)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (°)																			
0	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432	1432				
5	1372	1372	1372	1373	1374	1376	1378	1380	1383	1386	1390	1393	1397	1402	1407				
10	1310	1310	1310	1311	1312	1314	1317	1321	1325	1330	1336	1343	1350	1358	1367				
15	1249	1247	1247	1247	1247	1249	1252	1255	1260	1266	1273	1282	1292	1303	1316				
20	1187	1184	1182	1181	1180	1180	1182	1185	1190	1195	1203	1213	1224	1238	1254				
25	1124	1120	1117	1113	1111	1110	1109	1110	1113	1118	1125	1135	1147	1162	1181				
30	1062	1057	1051	1045	1041	1036	1034	1032	1033	1035	1041	1049	1062	1078	1098				
35	1000	993	985	977	969	962	956	951	948	948	950	957	969	985	1007				
40	939	930	920	909	898	887	878	868	861	857	856	861	870	885	907				
45	878	867	855	841	827	813	798	784	772	764	759	759	765	779	799				
50	815	800	785	768	757	738	719	700	684	670	660	655	658	668	688				
55	752	733	715	694	678	657	639	618	597	577	563	553	550	556	574				
60	689	667	645	620	599	578	555	535	524	512	489	468	452	444	458				
65	626	602	577	550	527	504	480	458	441	411	398	378	357	342	345				
70	563	537	509	480	455	432	408	386	365	341	301	287	270	248	236				
75	500	472	442	411	384	360	336	315	294	270	228	214	199	182	164	143	135		
80	437	407	375	342	314	290	266	245	224	200	178	157	142	124	109	89.0	64.6	48.6	
85	374	342	308	274	245	220	196	175	154	132	111	97	80	67.1	50.1	36.5	18.0	7.18	
90	3.63	3.33	3.07	2.85	2.71	2.55	2.39	2.21	2.01	1.82	1.62	1.46	1.33	1.29	1.30				
95	50.6	50.2	49.7	49.2	48.7	48.0	47.3	46.5	45.6	44.7	43.6	42.7	41.5	40.3	36.0				
100	97.5	97.1	96.5	95.8	94.9	93.9	92.7	91.5	90.2	88.8	87.5	86.7	86.3	87.7	80.4				
105	144	144	144	143	142	140	139	138	136	135	135	135	135	127	125				
110	192	191	191	190	189	188	187	186	185	184	185	184	175	170	173				
115	239	239	238	238	237	236	235	235	235	236	231	223	218	216	222				
120	286	286	286	286	286	286	286	287	287	278	271	265	262	264	271				
125	333	334	335	335	335	336	337	331	323	316	311	308	308	312	321				
130	380	382	383	384	383	377	371	365	360	356	353	352	354	360	369				
135	422	421	418	416	412	408	405	401	397	395	394	396	399	406	416				
140	443	443	443	442	441	439	438	436	435	434	435	438	443	451	461				
145	465	466	466	467	468	468	469	470	471	472	475	479	485	493	503				
150	487	487	488	490	492	494	497	500	503	507	511	516	523	531	540				
155	508	509	510	512	514	517	521	525	530	535	540	546	553	561	570				
160	530	531	532	533	535	538	541	545	550	555	561	567	573	580	588				
165	552	553	554	555	556	558	560	563	567	571	575	580	585	590	595				
170	574	575	576	577	578	579	580	582	584	587	589	592	595	599	602				
175	599	599	599	600	600	601	602	603	604	605	606	608	609	611	613				
180	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625				

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: