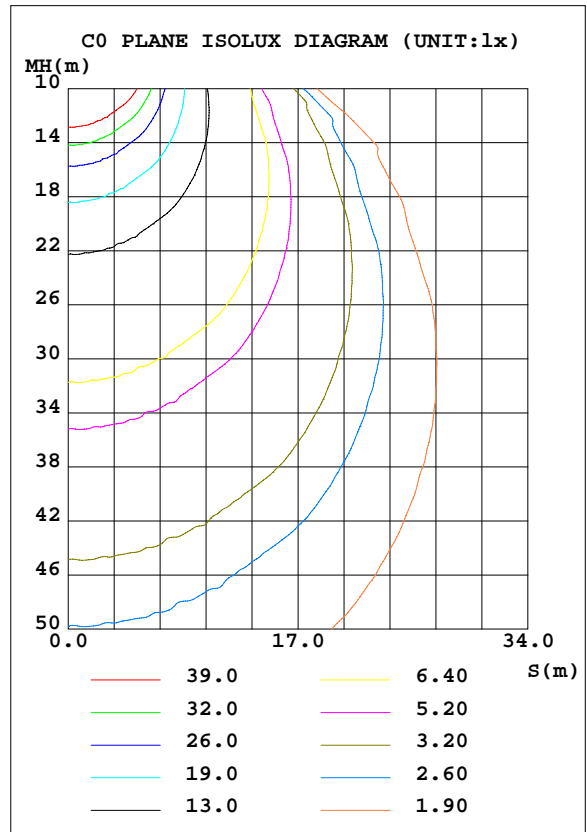
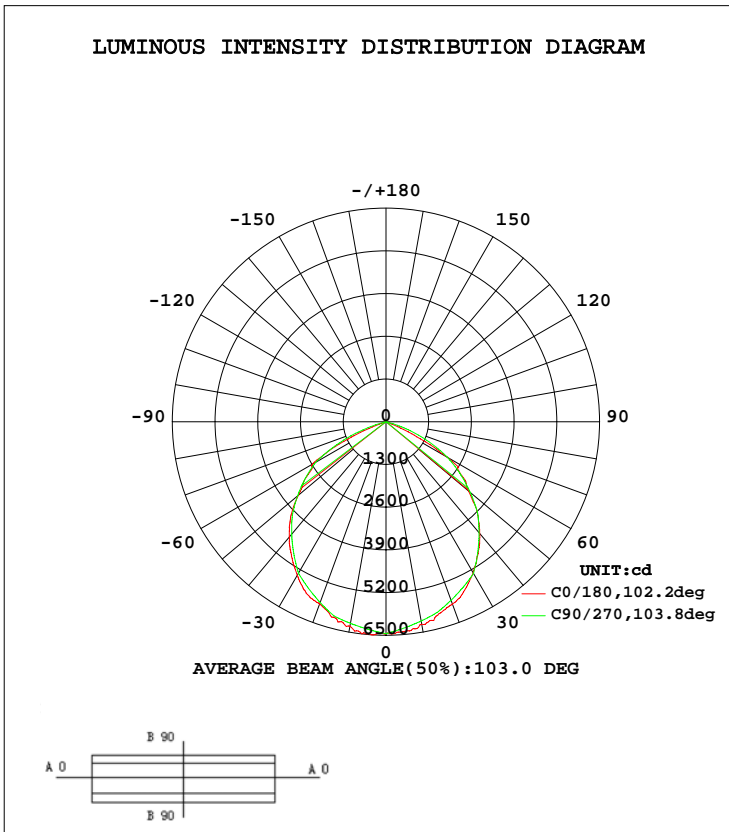


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.82 lm/W			
MODEL	QH-HBGKH-150W	I _{max} (cd)	6498	S/MH(C0/180)	1.24
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14882	η UP, DN(C0-180)	0.0, 49.1
NOMINAL FLUX(lm)	14881.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 50.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.1	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	6407	6318	6302	6384	6476	6409	6339	6348	0- 5	152.9	152.9	1.03,1.03
10	6255	6188	6156	6226	6317	6298	6229	6211	5- 10	450.8	603.8	4.06,4.06
15	6095	6026	6010	6036	6158	6074	6119	6036	10- 15	729.3	1333	8.96,8.96
20	5905	5892	5783	5890	5905	5906	5855	5868	15- 20	982.4	2315	15.6,15.6
25	5659	5611	5556	5638	5751	5648	5590	5617	20- 25	1204	3519	23.6,23.6
30	5307	5226	5328	5291	5404	5323	5325	5267	25- 30	1381	4900	32.9,32.9
35	4895	4850	4867	4907	5013	4944	4895	4872	30- 35	1502	6402	43,43
40	4434	4458	4406	4508	4581	4534	4464	4482	35- 40	1560	7962	53.5,53.5
45	3939	3865	3945	3976	4107	4001	4034	3912	40- 45	1555	9517	64,64
50	3285	3284	3347	3400	3482	3459	3513	3343	45- 50	1481	10998	73.9,73.9
55	2775	2743	2749	2830	2979	2962	2993	2812	50- 55	1346	12344	82.9,82.9
60	2138	1778	2151	1926	2596	2161	2472	1950	55- 60	1157	13501	90.7,90.7
65	865.6	736.3	1436	957.6	1414	1300	1650	997.7	60- 65	831.9	14333	96.3,96.3
70	8.570	75.21	720.2	280.4	228.8	606.3	826.7	287.2	65- 70	413.6	14747	99.1,99.1
75	2.935	10.74	4.922	98.14	3.761	232.3	3.842	95.80	70- 75	125.2	14872	99.9,99.9
80	2.014	3.223	0	3.020	2.118	2.328	0	1.833	75- 80	8.978	14881	100,100
85	1.190	0	0	0	1.270	0	0	0	80- 85	0.5669	14882	100,100
90	0.5750	0	0	0	1.075	0	0	0	85- 90	0.1211	14882	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

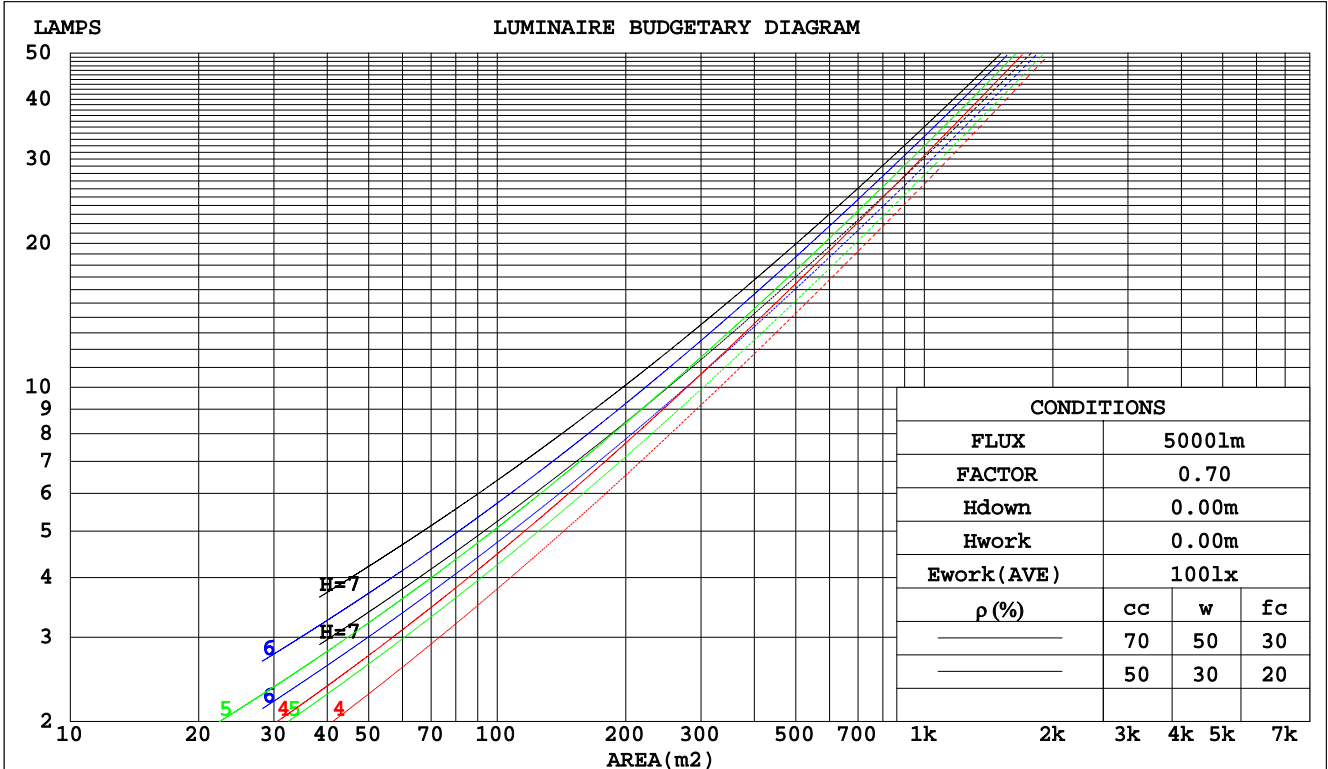
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.95	.89	.85	.93	.88	.84	.90	.86	.82	.87	.83	.80	.84	.81	.78	.76
3.0	.85	.78	.72	.83	.77	.71	.80	.75	.70	.78	.73	.69	.75	.71	.68	.66
4.0	.76	.68	.62	.75	.67	.61	.72	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.68	.60	.54	.67	.59	.54	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.53	.47	.61	.53	.47	.59	.52	.47	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.48	.42	.55	.47	.42	.54	.47	.42	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.38	.51	.43	.38	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.43	.38	.33	.32
10.0	.43	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.35	.30	.29



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

WEC AND CCEC

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.249	.141	.045	.242	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038	
2.0	.246	.135	.041	.240	.132	.041	.228	.127	.039	.218	.122	.038	.208	.118	.037	
3.0	.235	.125	.037	.230	.123	.037	.220	.119	.036	.211	.116	.035	.202	.112	.035	
4.0	.223	.116	.034	.218	.114	.034	.209	.111	.033	.201	.108	.033	.193	.105	.032	
5.0	.210	.107	.031	.205	.105	.031	.198	.103	.030	.190	.100	.030	.184	.098	.029	
6.0	.197	.099	.028	.193	.098	.028	.187	.096	.028	.180	.094	.027	.174	.092	.027	
7.0	.186	.092	.026	.182	.091	.026	.176	.089	.026	.170	.087	.025	.165	.086	.025	
8.0	.175	.085	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023	
9.0	.165	.080	.022	.162	.079	.022	.157	.078	.022	.153	.076	.022	.148	.075	.022	
10.0	.156	.075	.021	.154	.074	.021	.149	.073	.021	.145	.072	.020	.141	.071	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.093	.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	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.023	.017	.012	.007	
5.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.112	.064	.031	.077	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.114	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

UGR(Unified Glare Rating) Table

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm										
NAME: LED HIGH BAY LIGHT					TYPE:			WEIGHT:2.5		
SPEC.:PHILIPS 3030					DIM.:			SERIAL No.:		
MFR.: QINHAN LIGHTING					SUR.:			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	33.9	35.3	34.1	35.5	35.7	33.9	35.3	34.2	35.5	35.7
3H	33.8	35.1	34.1	35.3	35.5	34.5	35.8	34.8	36.0	36.2
4H	33.7	34.9	34.0	35.1	35.4	34.4	35.6	34.7	35.9	36.1
6H	33.6	34.7	33.9	35.0	35.3	34.3	35.5	34.7	35.7	36.0
8H	33.5	34.6	33.9	34.9	35.2	34.3	35.4	34.6	35.6	35.9
12H	33.5	34.5	33.8	34.8	35.1	34.2	35.3	34.6	35.6	35.8
4H 2H	34.0	35.2	34.3	35.4	35.7	34.0	35.2	34.3	35.5	35.7
3H	33.9	35.0	34.3	35.2	35.5	34.6	35.7	35.0	35.9	36.2
4H	33.8	34.8	34.2	35.1	35.4	34.6	35.5	34.9	35.8	36.2
6H	33.7	34.5	34.1	34.9	35.3	34.5	35.3	34.9	35.7	36.0
8H	33.7	34.4	34.1	34.8	35.2	34.4	35.2	34.8	35.6	35.9
12H	33.6	34.3	34.1	34.7	35.1	34.4	35.1	34.8	35.5	35.9
8H 4H	33.7	34.5	34.1	34.8	35.2	34.4	35.2	34.9	35.6	35.9
6H	33.6	34.2	34.1	34.6	35.1	34.4	35.0	34.8	35.4	35.8
8H	33.6	34.1	34.0	34.5	35.0	34.3	34.9	34.8	35.3	35.7
12H	33.5	34.0	34.0	34.4	34.9	34.3	34.7	34.8	35.2	35.7
12H 4H	33.7	34.4	34.1	34.7	35.1	34.4	35.1	34.8	35.5	35.9
6H	33.6	34.1	34.0	34.5	35.0	34.3	34.9	34.8	35.3	35.7
8H	33.5	34.0	34.0	34.4	34.9	34.3	34.7	34.8	35.2	35.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.9 / - 1.1					+ 0.3 / - 0.5				
2.0H	+ 1.0 / - 3.0					+ 1.2 / - 2.9				

CIE Pub.117 Corrected 14882 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.4)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

UTILIZATION FACTORS TABLE

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	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	62	51	44	61	51	44	60	50	44	38
0.80	73	62	55	72	62	55	70	61	55	48
1.00	82	72	65	80	71	65	78	72	64	58
1.25	89	80	73	87	79	73	85	77	72	66
1.50	93	85	79	92	84	79	89	82	77	71
2.00	100	93	87	98	91	86	95	89	85	78
2.50	103	96	92	101	95	91	97	93	89	81
3.00	106	100	96	104	99	95	100	96	92	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	102	99	91
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:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

ISOCANDELA DIAGRAM

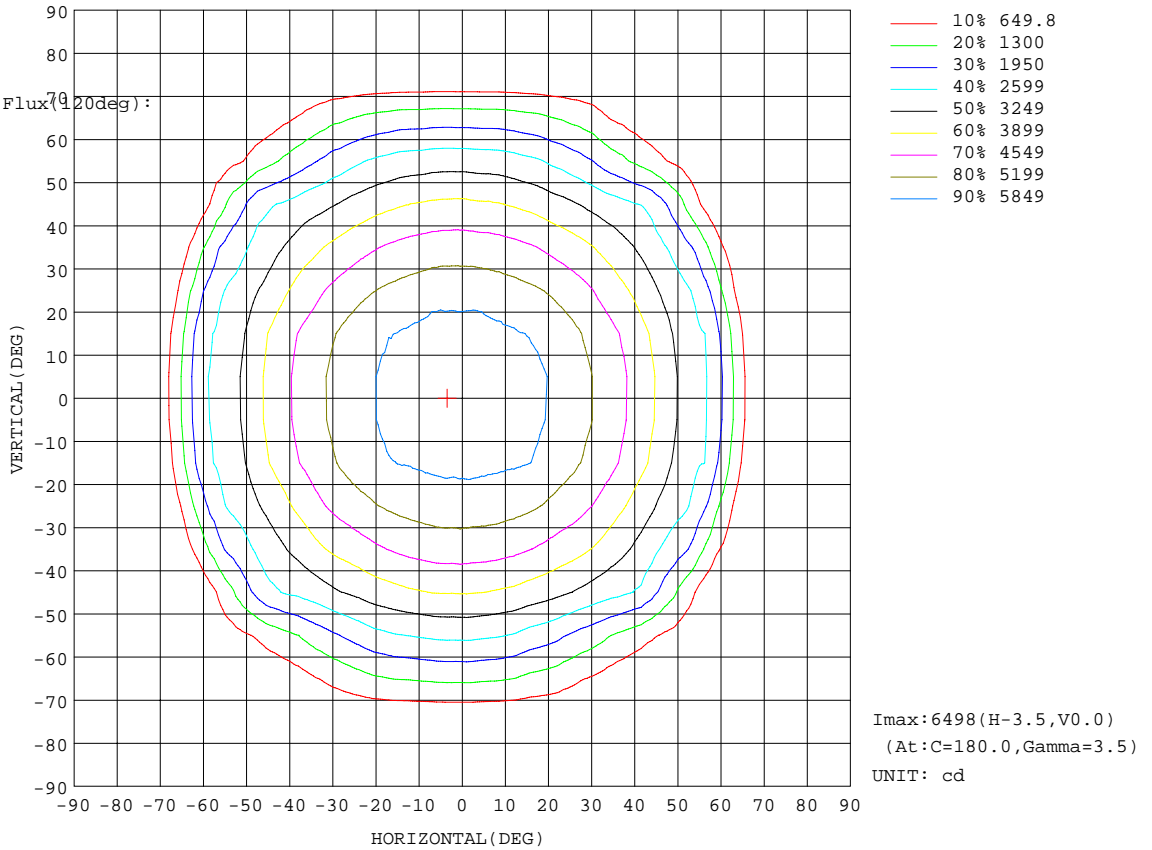
Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

9517 lm
 %lum = 64.0%
 %lamp = 64.0%

Conical surface Flux(70deg):

13501 lm
 %lum = 90.7%
 %lamp = 90.7%

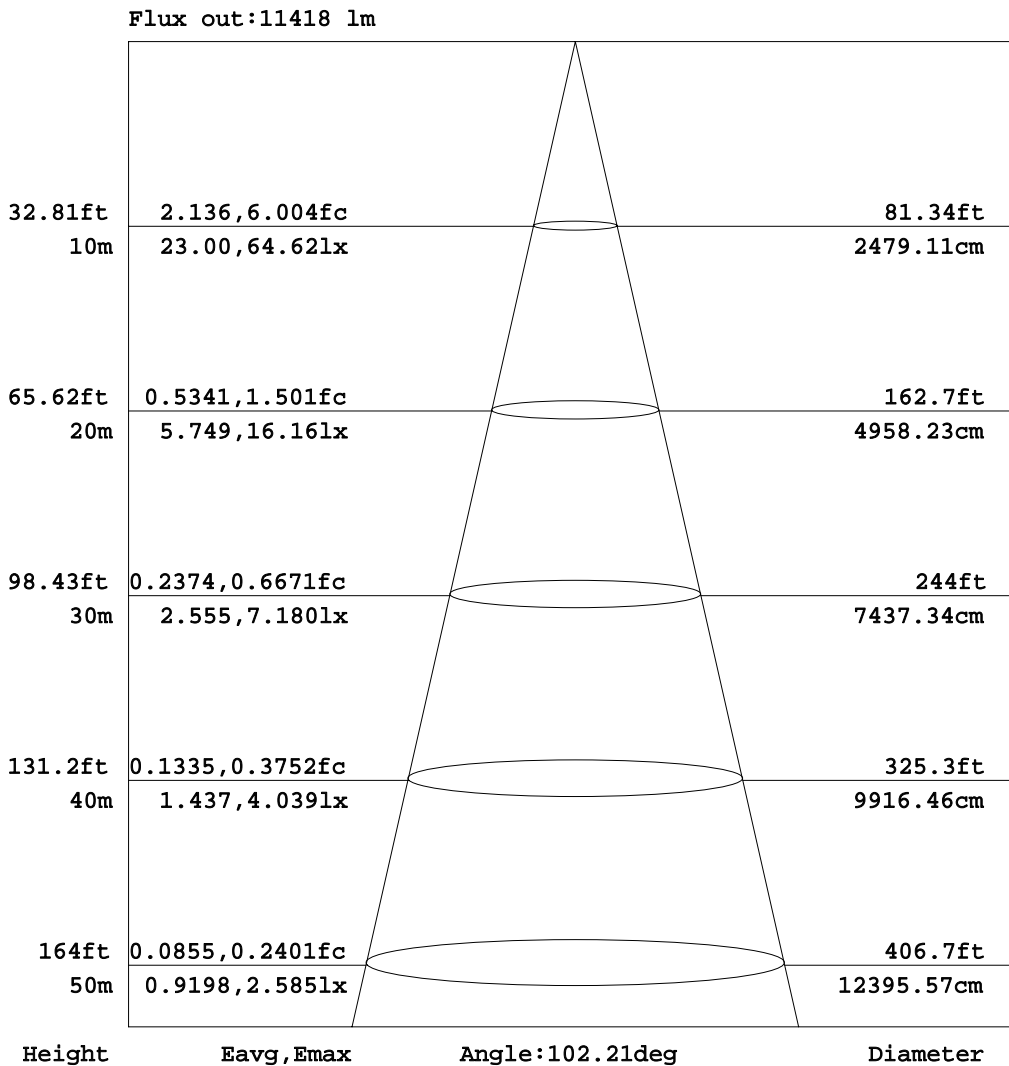


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

AAI Figure

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



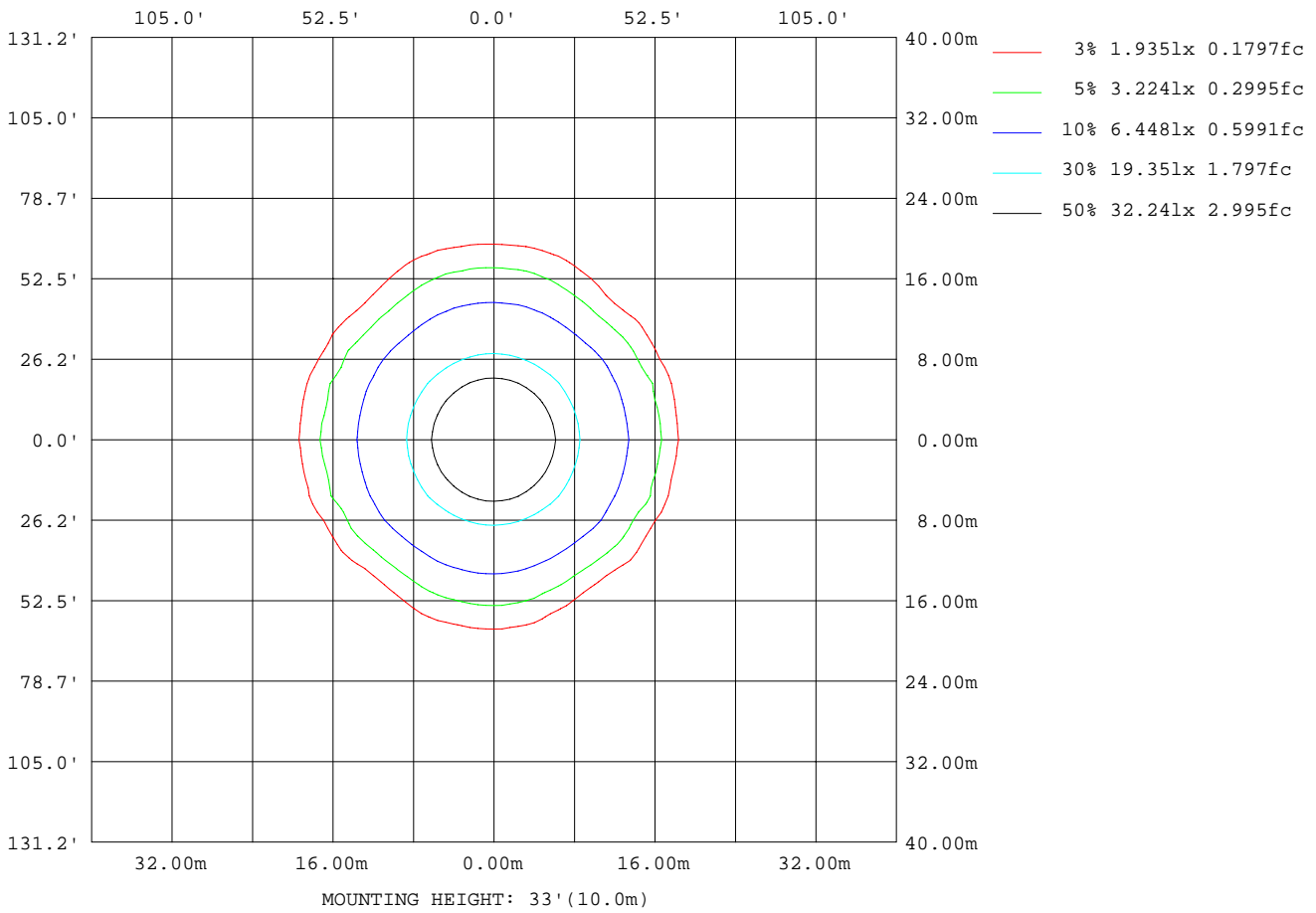
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

ISOLUX DIAGRAM

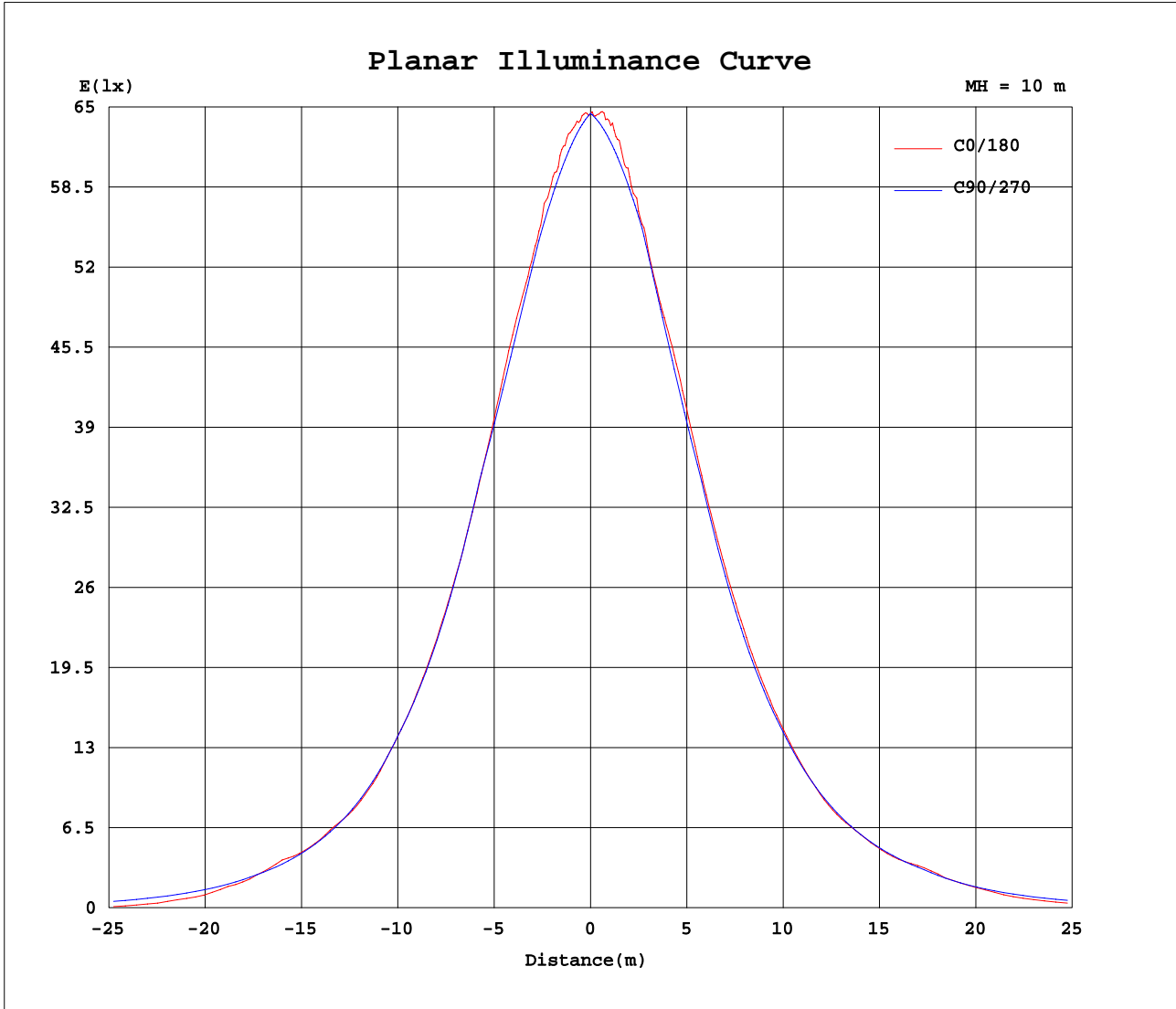
Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks: 反光罩: 100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	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	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448
5	6407	6395	6384	6373	6363	6354	6349	6347	6335	6318	6312	6313	6325	6324	6324	6319	6307	6295	6302
10	6255	6237	6221	6207	6205	6221	6220	6209	6186	6188	6184	6170	6169	6167	6163	6171	6179	6166	6156
15	6095	6076	6059	6047	6053	6075	6051	6039	6034	6026	6019	6025	6014	6013	6018	6020	6027	6033	6010
20	5905	5877	5855	5841	5839	5842	5859	5877	5891	5892	5877	5842	5817	5805	5791	5789	5787	5795	5783
25	5659	5618	5592	5581	5580	5581	5609	5641	5629	5611	5594	5568	5559	5543	5551	5543	5542	5545	5556
30	5307	5262	5236	5219	5234	5250	5270	5241	5219	5226	5241	5250	5258	5271	5284	5305	5307	5297	5328
35	4895	4849	4830	4835	4865	4860	4836	4837	4850	4850	4856	4890	4877	4864	4862	4864	4858	4848	4867
40	4434	4389	4380	4398	4420	4371	4365	4394	4429	4458	4393	4357	4355	4351	4365	4373	4383	4388	4406
45	3939	3871	3858	3902	3848	3818	3835	3870	3883	3865	3846	3828	3827	3837	3863	3890	3905	3927	3945
50	3285	3245	3252	3270	3253	3266	3267	3291	3293	3284	3277	3276	3259	3246	3239	3297	3310	3327	3347
55	2775	2741	2754	2755	2760	2708	2617	2727	2785	2743	2565	2490	2486	2530	2550	2659	2702	2722	2749
60	2138	2014	2029	1979	2035	1899	1818	1975	2006	1778	1644	1643	1676	1803	1862	1995	2093	2114	2151
65	866	760	759	781	746	718	831	939	873	736	664	786	947	1148	1239	1324	1407	1412	1436
70	8.57	8.76	31.8	32.2	71.9	60.3	229	193	10.2	75.2	258	427	521	605	660	687	717	712	720
75	2.93	2.88	2.95	3.43	3.97	4.98	4.76	5.03	6.48	10.7	85.1	129	145	129	101	64.9	34.4	12.5	4.92
80	2.01	1.94	2.41	3.36	3.81	3.85	3.86	3.91	3.96	3.22	2.36	1.74	1.27	0.89	0.57	0.32	0.15	0.04	0.00
85	1.19	1.53	2.88	3.28	3.00	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	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	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	
5	6311	6300	6295	6302	6315	6328	6349	6368	6384	6394	6398	6393	6394	6411	6429	6446	6462	6476	6466	
10	6158	6151	6167	6192	6194	6197	6204	6227	6226	6225	6247	6268	6265	6264	6270	6281	6296	6317	6300	
15	6009	6009	6027	6021	6025	6028	6041	6025	6036	6049	6036	6060	6090	6078	6088	6109	6133	6158	6133	
20	5777	5795	5795	5798	5806	5811	5834	5854	5890	5893	5894	5885	5871	5871	5869	5872	5886	5905	5887	
25	5551	5567	5560	5554	5552	5555	5580	5599	5638	5675	5717	5681	5660	5667	5671	5688	5713	5751	5716	
30	5322	5330	5310	5296	5289	5284	5275	5281	5291	5302	5341	5383	5376	5353	5333	5335	5360	5404	5363	
35	4866	4887	4884	4890	4903	4913	4933	4906	4907	4911	4935	4947	4974	4964	4939	4940	4963	5013	4970	
40	4406	4420	4411	4414	4411	4416	4422	4448	4508	4532	4510	4494	4490	4544	4541	4524	4533	4581	4543	
45	3942	3958	3938	3924	3916	3917	3895	3928	3976	4016	4022	3971	3974	3994	4067	4037	4049	4107	4063	
50	3349	3352	3349	3354	3367	3374	3379	3399	3400	3408	3424	3415	3407	3443	3476	3456	3438	3482	3444	
55	2753	2739	2727	2737	2728	2667	2677	2713	2830	2875	2901	2884	2892	2885	2915	2950	2937	2979	2947	
60	2155	2126	2111	2112	2055	1948	1894	1876	1926	2161	2436	2222	2183	2462	2362	2462	2487	2596	2525	
65	1440	1431	1437	1441	1386	1252	1088	976	958	1115	1260	1299	1225	1275	1295	1332	1350	1414	1388	
70	726	733	754	774	753	696	607	457	280	80.8	284	432	327	172	283	208	231	229	269	
75	12.7	35.2	71.6	118	160	189	202	164	98.1	11.1	6.94	5.21	23.0	5.92	4.29	3.89	3.80	3.76	4.00	
80	0.04	0.15	0.33	0.58	0.91	1.31	1.79	2.35	3.02	3.77	4.01	3.86	3.74	3.67	3.34	2.59	2.07	2.12	2.14	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	2.56	2.96	2.85	1.86	1.27	1.45
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	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	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448
5	6455	6442	6427	6412	6414	6420	6417	6409	6397	6384	6368	6356	6342	6330	6330	6346	6339	6329	6341
10	6289	6283	6282	6286	6294	6282	6275	6298	6303	6286	6288	6265	6261	6253	6235	6220	6229	6235	6246
15	6110	6092	6083	6104	6075	6063	6082	6074	6084	6106	6139	6159	6169	6130	6141	6117	6119	6136	6149
20	5874	5872	5876	5873	5889	5895	5893	5906	5888	5883	5869	5874	5915	5908	5873	5865	5855	5869	5879
25	5691	5678	5676	5686	5708	5729	5687	5648	5611	5599	5589	5585	5595	5618	5613	5602	5590	5603	5593
30	5338	5338	5356	5378	5384	5361	5341	5323	5311	5302	5303	5311	5317	5329	5342	5333	5325	5331	5307
35	4949	4962	4991	4993	4959	4947	4937	4944	4949	4974	4955	4937	4920	4909	4907	4899	4895	4883	4885
40	4542	4572	4587	4529	4507	4521	4537	4534	4501	4479	4475	4466	4466	4463	4469	4464	4464	4434	4438
45	4063	4113	4059	4030	4049	4062	4033	4001	3981	3981	3991	3999	4008	4015	4031	4025	4034	3985	3982
50	3466	3490	3462	3454	3488	3497	3498	3459	3443	3479	3482	3495	3508	3513	3516	3515	3513	3476	3478
55	2971	2934	2939	2974	2936	2954	2952	2962	2853	2851	2904	2951	2980	2999	2992	3004	2993	2964	2972
60	2490	2443	2503	2309	2410	2510	2265	2161	2158	2231	2300	2397	2443	2487	2470	2491	2472	2450	2461
65	1466	1484	1422	1438	1511	1488	1326	1300	1378	1541	1643	1722	1723	1724	1670	1669	1650	1640	1665
70	274	370	308	485	550	366	343	606	750	883	923	946	929	905	854	841	827	827	851
75	4.20	4.67	5.78	50.0	5.01	7.46	124	232	288	292	257	201	140	84.1	39.4	12.9	3.84	12.6	39.0
80	2.30	2.39	2.45	2.55	2.75	3.20	6.04	2.33	1.86	1.43	1.06	0.74	0.48	0.27	0.12	0.03	0.00	0.03	0.11
85	1.53	1.57	1.43	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.7330A P:153.7W PF:0.9510 Lamp Flux:14881.9x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	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	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448	6448				
5	6352	6356	6357	6360	6349	6345	6348	6363	6372	6371	6372	6377	6382	6390	6398				
10	6251	6242	6247	6225	6211	6214	6211	6202	6221	6233	6232	6208	6208	6222	6238				
15	6145	6105	6072	6053	6057	6021	6036	6035	6031	6036	6059	6044	6039	6054	6073				
20	5854	5830	5831	5824	5844	5856	5868	5866	5859	5858	5851	5852	5857	5867	5883				
25	5570	5563	5551	5558	5558	5582	5617	5658	5690	5646	5613	5602	5596	5602	5624				
30	5303	5287	5277	5257	5261	5263	5267	5259	5270	5292	5280	5238	5231	5240	5263				
35	4889	4885	4888	4905	4910	4886	4872	4867	4854	4850	4859	4856	4831	4827	4850				
40	4424	4415	4411	4401	4398	4425	4482	4463	4408	4393	4398	4447	4440	4405	4402				
45	3963	3934	3923	3884	3887	3897	3912	3929	3947	3894	3892	3899	3927	3887	3889				
50	3452	3421	3389	3363	3352	3339	3343	3358	3359	3352	3321	3307	3307	3268	3253				
55	2928	2878	2792	2743	2702	2703	2812	2842	2852	2765	2816	2795	2788	2786	2755				
60	2390	2329	2197	2088	2006	1883	1950	2127	2251	2050	2020	2225	2101	2172	2065				
65	1636	1625	1544	1450	1220	1017	998	1074	1139	1072	931	947	921	827	831				
70	855	864	848	802	664	526	287	70.0	247	310	169	88.0	82.5	42.5	9.39				
75	79.0	129	178	219	211	178	95.8	6.48	4.07	3.03	3.88	3.12	3.00	2.92	2.91				
80	0.24	0.42	0.63	0.88	1.17	1.49	1.83	2.21	2.18	2.06	1.99	1.90	1.85	1.86	1.94				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1.02	1.06	1.01	0.98				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-09-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: 反光罩:100度 PC罩: 透明