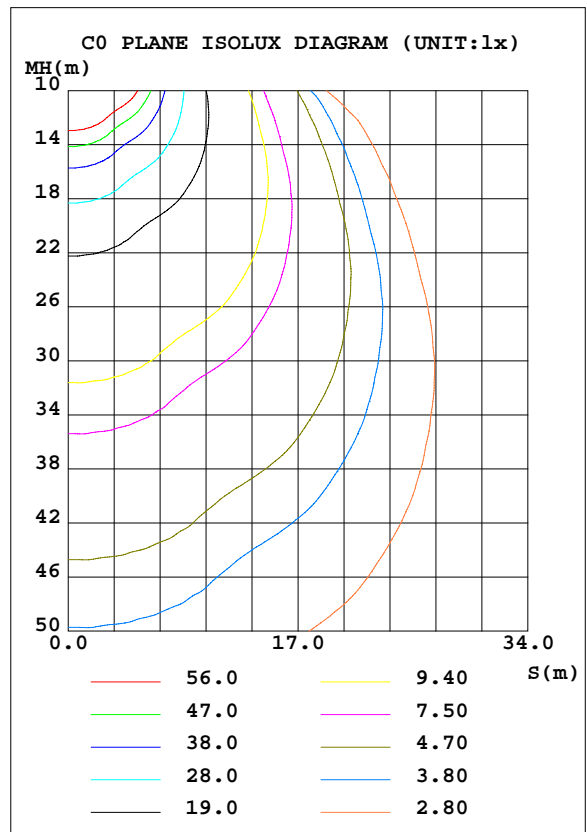
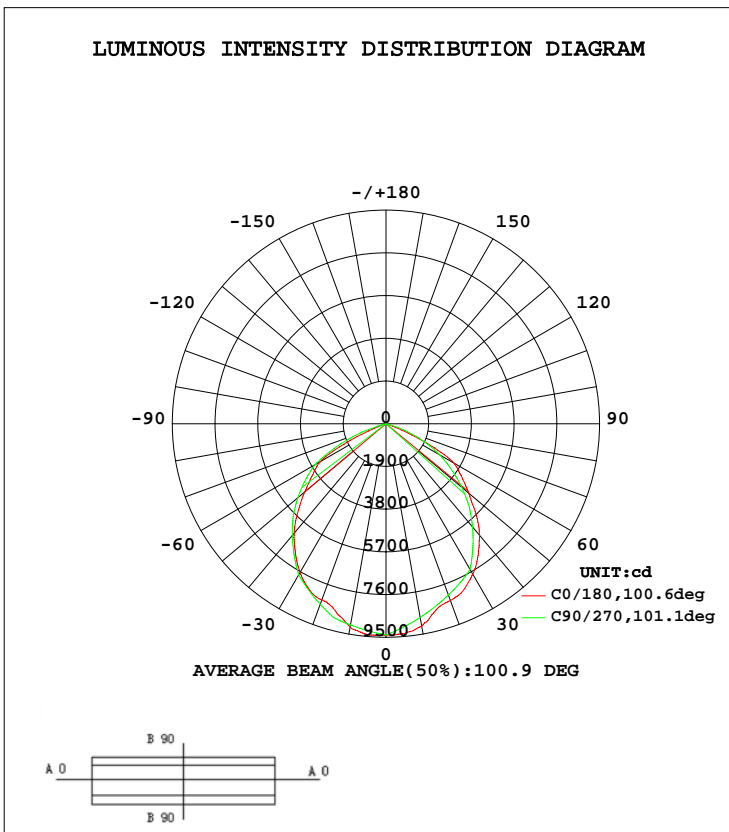


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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: 104.71 lm/W			
MODEL	QH-HBGKH-200W	I <sub>max</sub> (cd)	9431	S/MH(C0/180)	1.21
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	21224	η UP, DN(C0-180)	0.0, 47.7
NOMINAL FLUX(lm)	21224	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 52.3
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:2015-11-17

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: 明纬电源  
 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	9370	9146	9071	9183	9420	9284	9242	9257	0- 5	222.3	222.3	1.05,1.05
10	9139	8866	8747	8886	9186	9052	9090	9025	5- 10	651.5	873.8	4.12,4.12
15	8588	8570	8423	8566	8641	8667	8937	8671	10- 15	1043	1917	9.03,9.03
20	8366	8364	8110	8351	8341	8368	8546	8413	15- 20	1394	3311	15.6,15.6
25	8162	8009	7798	7970	8118	8049	8155	8114	20- 25	1715	5026	23.7,23.7
30	7723	7440	7485	7402	7640	7603	7764	7705	25- 30	1975	7001	33,33
35	7148	6860	6736	6802	7024	7081	7123	7204	30- 35	2150	9151	43.1,43.1
40	6474	6209	5987	6126	6354	6464	6482	6619	35- 40	2217	11369	53.6,53.6
45	5657	5387	5238	5302	5543	5678	5841	5811	40- 45	2190	13558	63.9,63.9
50	4798	4579	4403	4538	4720	4917	5113	5048	45- 50	2072	15630	73.6,73.6
55	4116	3820	3569	3795	3990	4163	4385	4288	50- 55	1891	17521	82.6,82.6
60	3487	2517	2735	2469	3374	3137	3657	3255	55- 60	1646	19167	90.3,90.3
65	1784	1087	1825	1044	1764	1994	2441	2076	60- 65	1223	20390	96.1,96.1
70	200.3	149.2	915.2	123.7	133.4	957.3	1225	1034	65- 70	625.9	21016	99,99
75	3.881	37.30	5.562	25.94	3.799	376.5	9.490	405.5	70- 75	191.8	21208	99.9,99.9
80	2.747	3.914	0	3.410	2.392	3.126	0	2.539	75- 80	15.19	21223	100,100
85	1.790	0	0	0	1.502	0	0	0	80- 85	0.7327	21224	100,100
90	0.8727	0	0	0	1.888	0	0	0	85- 90	0.1623	21224	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			

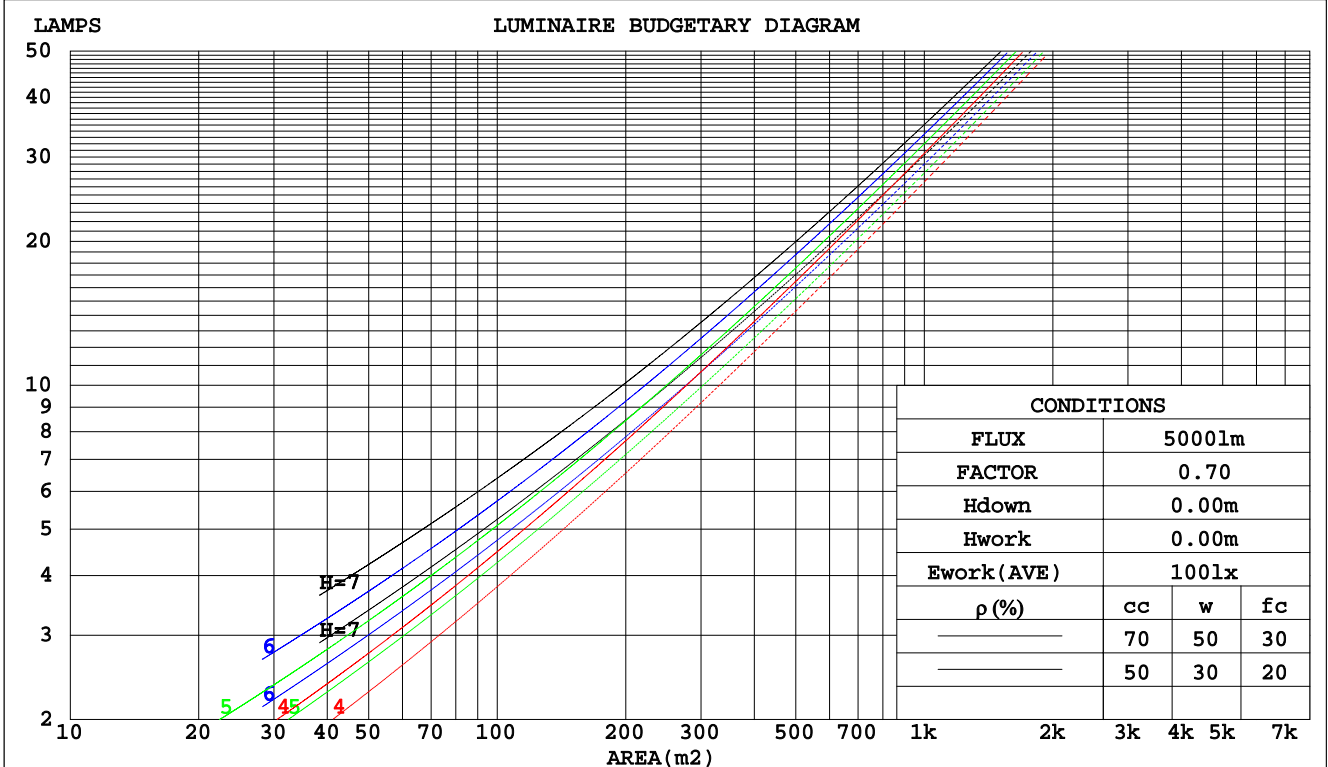
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																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	1.00
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	.84	.93	.88	.83	.90	.85	.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	.74	.67	.61	.72	.66	.61	.70	.64	.60	.68	.63	.59	.57
5.0	.68	.60	.54	.67	.59	.53	.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	.37	.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:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

WEC AND CCEC

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	.142	.045	.242	.138	.044	.229	.132	.042	.218	.125	.040	.207	.120	.039	
2.0	.246	.135	.041	.240	.132	.041	.229	.127	.040	.219	.123	.038	.209	.118	.037	
3.0	.236	.125	.038	.230	.123	.037	.220	.119	.036	.211	.116	.036	.203	.112	.035	
4.0	.223	.116	.034	.218	.114	.034	.209	.111	.033	.201	.108	.033	.194	.105	.032	
5.0	.210	.107	.031	.206	.106	.031	.198	.103	.030	.191	.101	.030	.184	.098	.030	
6.0	.197	.099	.028	.194	.098	.028	.187	.096	.028	.180	.094	.028	.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																
1.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
2.0	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
3.0	.166	.132	.104	.142	.114	.089	.098	.079	.062	.056	.046	.037	.018	.015	.012	
4.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
5.0	.150	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.023	.017	.012	.007	
6.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
7.0	.137	.081	.041	.118	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
8.0	.130	.074	.035	.112	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004	
9.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
10.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

UGR(Unified Glare Rating) Table

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	35.5	36.9	35.7	37.1	37.2	34.8	36.2	35.0	36.4	36.5
3H	35.5	36.8	35.8	37.0	37.2	35.3	36.6	35.6	36.8	37.0
4H	35.4	36.6	35.7	36.9	37.1	35.3	36.5	35.6	36.7	36.9
6H	35.3	36.4	35.6	36.7	37.0	35.2	36.3	35.5	36.5	36.8
8H	35.3	36.3	35.6	36.6	36.9	35.1	36.2	35.4	36.5	36.7
12H	35.2	36.2	35.6	36.5	36.8	35.1	36.1	35.4	36.4	36.7
4H 2H	35.6	36.8	35.9	37.0	37.3	34.9	36.1	35.2	36.4	36.6
3H	35.6	36.6	36.0	36.9	37.2	35.5	36.6	35.9	36.8	37.1
4H	35.5	36.5	35.9	36.8	37.1	35.5	36.4	35.8	36.7	37.0
6H	35.4	36.2	35.8	36.6	36.9	35.4	36.2	35.8	36.5	36.9
8H	35.4	36.1	35.8	36.5	36.9	35.3	36.1	35.7	36.5	36.8
12H	35.3	36.0	35.8	36.4	36.8	35.3	36.0	35.7	36.4	36.8
8H 4H	35.4	36.2	35.8	36.5	36.9	35.3	36.1	35.7	36.5	36.8
6H	35.3	35.9	35.8	36.3	36.8	35.3	35.9	35.7	36.3	36.7
8H	35.3	35.8	35.7	36.2	36.7	35.2	35.8	35.7	36.2	36.6
12H	35.2	35.7	35.7	36.1	36.6	35.2	35.6	35.7	36.1	36.6
12H 4H	35.4	36.1	35.8	36.4	36.8	35.3	36.0	35.7	36.4	36.8
6H	35.3	35.8	35.7	36.2	36.7	35.2	35.8	35.7	36.2	36.6
8H	35.2	35.7	35.7	36.1	36.6	35.2	35.6	35.7	36.1	36.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.6 / - 0.8				
1.5H	+ 0.8 / - 1.0					+ 0.3 / - 0.6				
2.0H	+ 0.8 / - 2.1					+ 1.1 / - 2.5				

CIE Pub.117 Corrected 21224 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

UTILIZATION FACTORS TABLE

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	45	61	51	45	60	50	44	38
0.80	73	62	55	72	62	55	70	61	55	48
1.00	81	72	65	80	71	65	78	72	64	58
1.25	89	79	73	87	79	73	85	77	72	66
1.50	93	85	79	92	84	78	89	82	77	71
2.00	100	92	87	98	91	86	95	89	85	78
2.50	103	96	91	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:2015-11-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 明纬电源  
 反光罩: 100度 PC罩: 透明

ISOCANDELA DIAGRAM

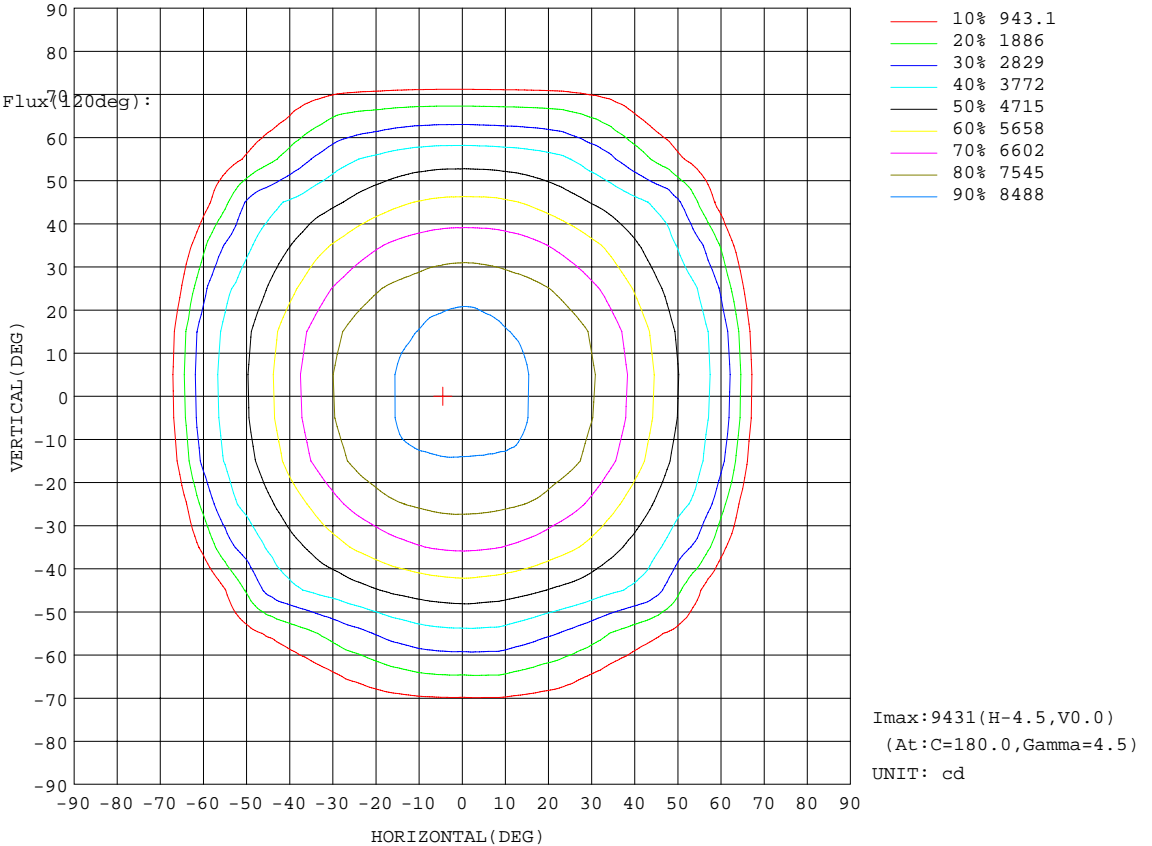
Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

13558 lm  
%lum = 63.9%  
%lamp = 63.9%

Conical surface Flux(70deg):

19167 lm  
%lum = 90.3%  
%lamp = 90.3%

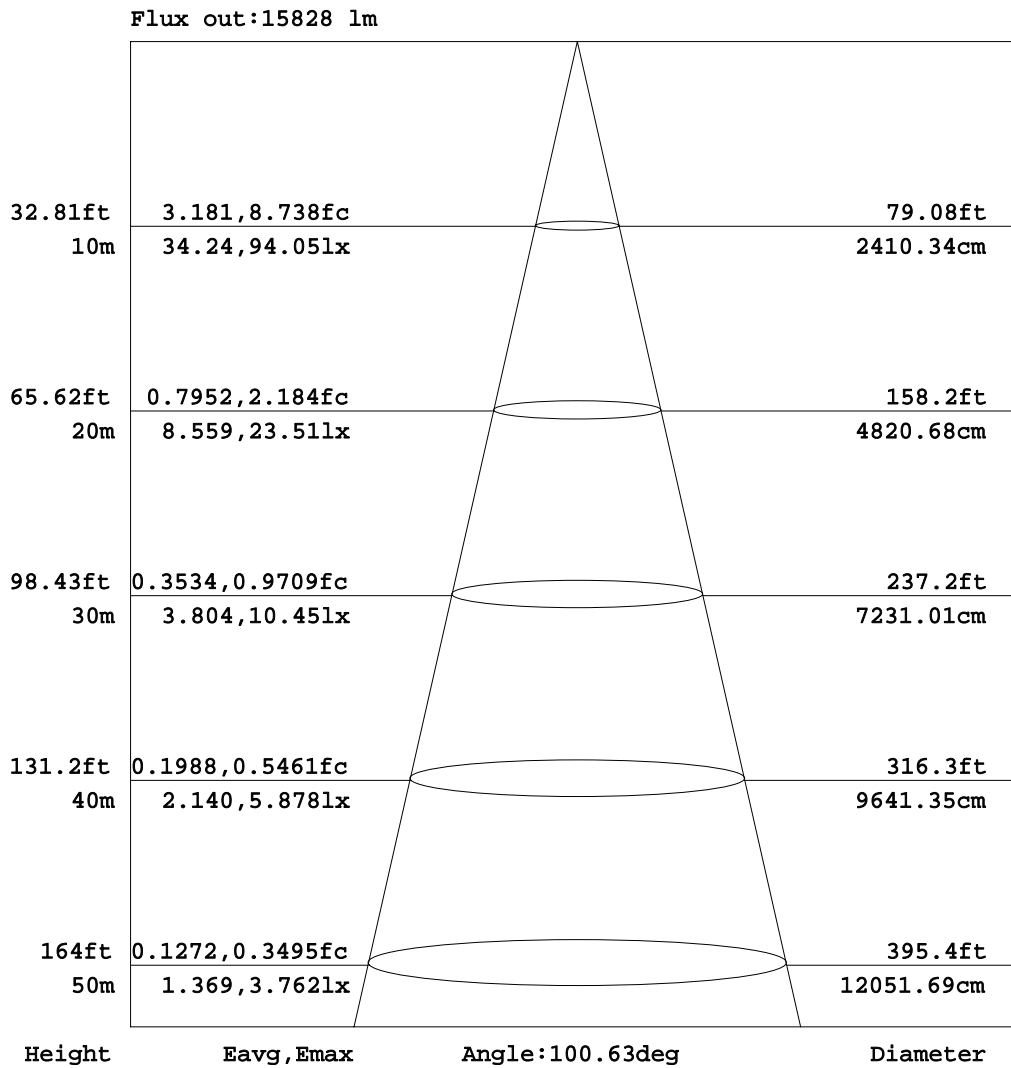


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2015-11-17

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: 明纬电源  
反光罩: 100度 PC罩: 透明

AAI Figure

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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.

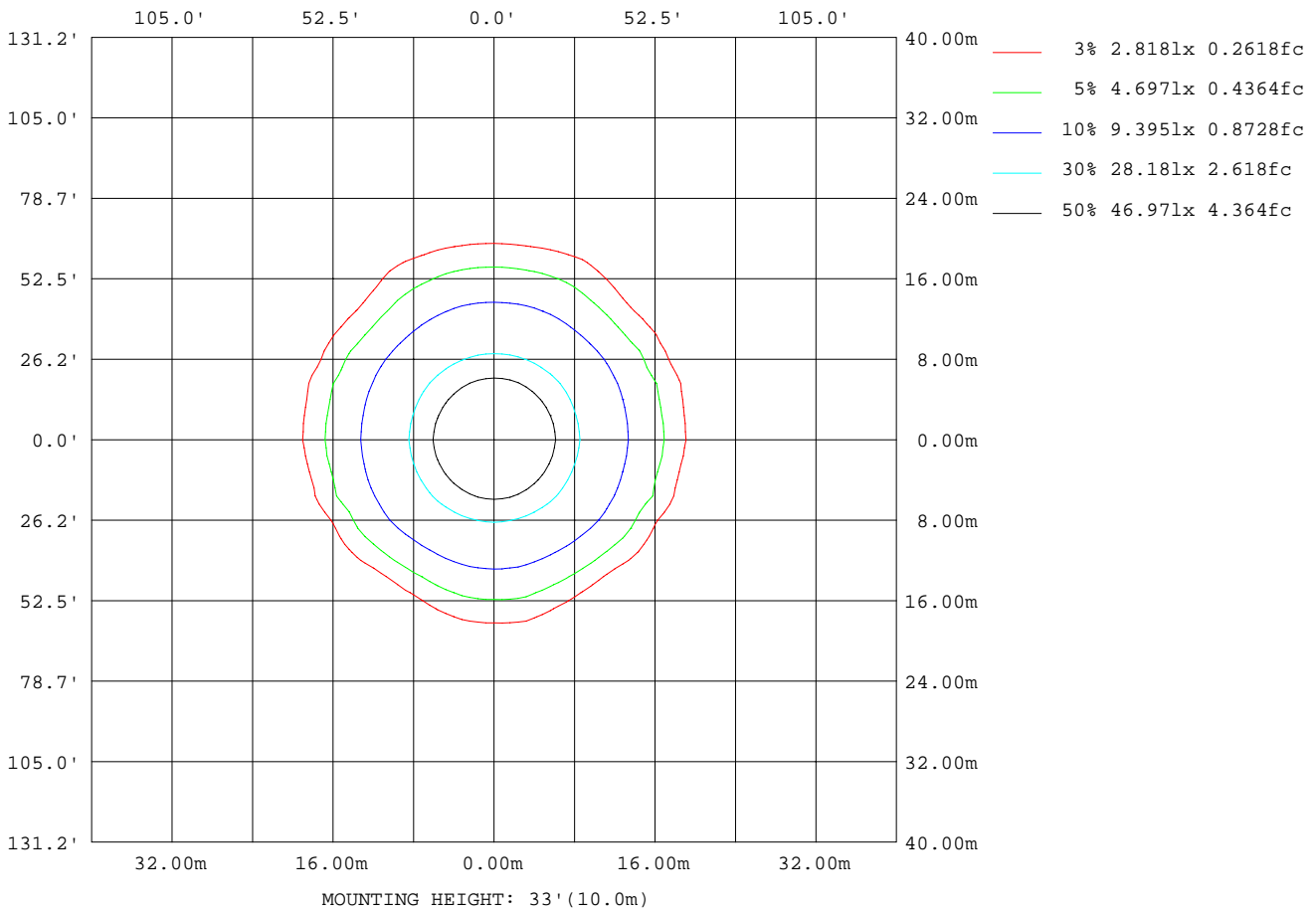
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明



ISOLUX DIAGRAM

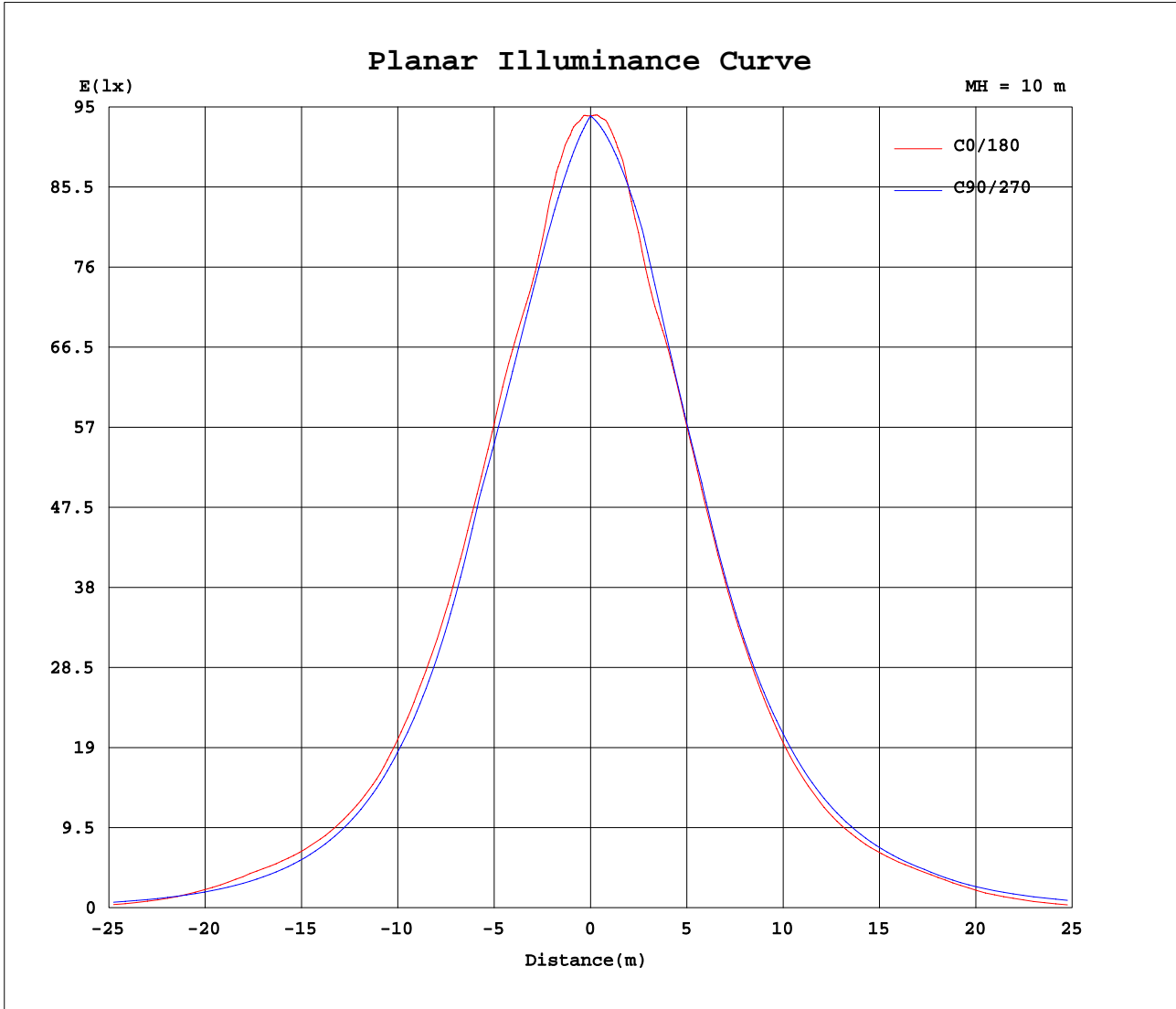
Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-11-17

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: 明纬电源  
 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: 2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395
5	9370	9342	9315	9288	9262	9238	9213	9190	9168	9146	9131	9120	9115	9111	9101	9089	9078	9073	9071
10	9139	9096	9056	9020	8986	8950	8925	8904	8889	8866	8838	8821	8811	8788	8769	8763	8760	8750	8747
15	8588	8571	8563	8562	8563	8570	8581	8594	8582	8570	8552	8520	8501	8473	8458	8438	8428	8425	8423
20	8366	8338	8316	8305	8307	8320	8338	8354	8369	8364	8318	8245	8201	8160	8137	8123	8113	8108	8110
25	8162	8107	8069	8044	8031	8029	8048	8095	8056	8009	7943	7886	7843	7815	7800	7795	7795	7793	7798
30	7723	7647	7597	7577	7587	7621	7609	7534	7474	7440	7441	7434	7421	7425	7437	7460	7470	7478	7485
35	7148	7057	7006	6994	7027	7006	6937	6897	6875	6860	6855	6892	6855	6813	6780	6761	6741	6736	6736
40	6474	6368	6319	6324	6323	6226	6182	6188	6211	6209	6142	6074	6041	6016	5996	5985	5975	5979	5987
45	5657	5546	5509	5545	5476	5420	5394	5419	5406	5387	5350	5289	5233	5217	5210	5205	5210	5215	5238
50	4798	4712	4687	4679	4645	4636	4621	4605	4597	4579	4566	4526	4421	4356	4356	4375	4408	4401	4403
55	4116	4050	4062	3985	3949	3936	3851	3916	3896	3820	3583	3479	3412	3404	3448	3515	3603	3586	3569
60	3487	3334	3321	3127	3295	2836	2843	3100	2842	2517	2329	2315	2351	2439	2515	2646	2794	2771	2735
65	1784	1646	1570	1513	1508	1388	1459	1549	1339	1087	996	1137	1361	1568	1663	1777	1874	1854	1825
70	200	149	159	239	153	252	454	326	20.8	149	408	619	760	850	885	923	956	934	915
75	3.88	3.83	3.98	5.01	6.05	8.15	6.09	7.04	9.71	37.3	144	194	209	180	134	86.8	45.1	15.6	5.56
80	2.75	2.70	3.50	4.37	4.80	4.88	4.90	4.92	4.89	3.91	3.00	2.22	1.60	1.11	0.70	0.39	0.17	0.04	0.00
85	1.79	2.44	3.78	4.18	3.83	1.47	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	0.87	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:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395
5	9075	9084	9095	9108	9122	9133	9146	9163	9183	9207	9233	9260	9287	9311	9336	9363	9391	9420	9402
10	8756	8769	8783	8797	8818	8837	8850	8866	8886	8907	8931	8965	9001	9039	9071	9103	9141	9186	9151
15	8434	8447	8458	8470	8482	8498	8519	8551	8566	8577	8586	8591	8601	8610	8612	8612	8621	8641	8621
20	8120	8126	8130	8134	8145	8177	8226	8301	8351	8357	8340	8317	8288	8273	8276	8291	8312	8341	8317
25	7804	7800	7793	7784	7792	7815	7857	7912	7970	8020	8076	8039	8014	8007	8007	8022	8061	8118	8077
30	7483	7469	7443	7412	7389	7384	7391	7395	7402	7442	7490	7546	7550	7521	7515	7530	7570	7640	7594
35	6733	6736	6742	6750	6770	6808	6833	6799	6802	6801	6816	6860	6930	6949	6912	6911	6947	7024	6974
40	5974	5970	5963	5966	5990	6003	6021	6081	6126	6124	6112	6110	6159	6260	6250	6232	6265	6354	6309
45	5216	5201	5192	5183	5193	5201	5228	5264	5302	5337	5324	5326	5361	5393	5454	5422	5448	5543	5491
50	4389	4374	4346	4335	4334	4371	4455	4477	4538	4542	4564	4557	4566	4596	4641	4646	4650	4720	4693
55	3562	3539	3472	3421	3346	3328	3390	3538	3795	3863	3847	3800	3875	3923	3927	3960	3946	3990	3989
60	2736	2705	2589	2479	2332	2265	2227	2281	2469	2786	3049	2780	2806	3193	3071	3250	3259	3374	3365
65	1829	1814	1731	1630	1457	1329	1026	926	1044	1275	1521	1408	1276	1417	1482	1517	1607	1764	1790
70	922	926	900	861	789	726	562	361	124	15.6	315	418	214	144	191	148	94.1	133	191
75	15.4	43.8	84.4	129	167	195	177	119	25.9	8.96	6.87	5.85	7.39	6.25	4.92	3.93	3.71	3.80	4.04
80	0.04	0.16	0.37	0.65	1.01	1.45	1.99	2.65	3.41	4.32	4.50	4.58	4.54	4.43	4.07	3.25	2.38	2.39	2.50
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	1.33	3.32	3.84	3.80	2.69	1.50	1.70
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	1.89	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395
5	9385	9370	9355	9343	9327	9311	9296	9284	9274	9268	9265	9262	9256	9250	9247	9243	9242	9245	9249
10	9124	9105	9088	9069	9056	9047	9049	9052	9050	9053	9057	9063	9067	9075	9079	9087	9090	9096	9099
15	8613	8613	8616	8611	8611	8622	8644	8667	8706	8748	8792	8810	8826	8861	8894	8915	8937	8941	8926
20	8298	8285	8282	8293	8318	8341	8362	8368	8358	8355	8377	8435	8469	8476	8507	8527	8546	8549	8530
25	8051	8044	8049	8054	8079	8115	8077	8049	8019	7996	7992	8017	8071	8101	8121	8143	8155	8158	8136
30	7576	7581	7602	7648	7662	7631	7606	7603	7612	7628	7642	7659	7692	7730	7742	7762	7764	7771	7765
35	6963	6987	7044	7069	7047	7030	7047	7081	7129	7189	7172	7144	7128	7120	7122	7124	7123	7133	7149
40	6315	6364	6399	6356	6369	6400	6442	6464	6451	6444	6445	6452	6456	6463	6476	6483	6482	6492	6509
45	5514	5618	5602	5590	5621	5719	5717	5678	5655	5681	5710	5735	5771	5806	5831	5844	5841	5853	5873
50	4746	4788	4760	4803	4839	4868	4899	4917	4895	4914	4960	5007	5058	5096	5108	5117	5113	5117	5136
55	4056	4038	4081	4081	4109	4143	4149	4163	4120	4167	4239	4276	4332	4373	4384	4390	4385	4377	4388
60	3403	3371	3455	3285	3409	3486	3242	3137	3230	3399	3513	3559	3611	3656	3665	3665	3657	3638	3638
65	1860	1944	1998	1982	2221	2118	1932	1994	2232	2527	2666	2623	2564	2529	2488	2458	2441	2439	2470
70	257	410	340	669	746	549	585	957	1275	1440	1534	1465	1378	1325	1274	1240	1225	1231	1265
75	4.62	4.83	8.00	58.3	7.79	12.7	201	377	478	478	425	315	209	125	61.8	22.7	9.49	22.3	60.7
80	2.76	2.94	3.09	3.22	3.74	4.64	8.83	3.13	2.51	1.95	1.43	1.09	0.85	0.56	0.27	0.07	0.00	0.07	0.25
85	1.83	1.90	1.74	0.80	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:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.4V I:0.9520A P:202.7W PF:0.9660 Lamp Flux:21224x1 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	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395	9395				
5	9256	9263	9267	9261	9255	9254	9257	9266	9275	9286	9297	9310	9324	9338	9354				
10	9089	9068	9054	9044	9029	9025	9025	9023	9013	9013	9017	9034	9054	9077	9106				
15	8879	8834	8806	8779	8741	8704	8671	8655	8641	8617	8597	8580	8573	8571	8575				
20	8491	8473	8444	8403	8385	8402	8413	8401	8376	8356	8341	8332	8333	8339	8350				
25	8117	8095	8061	8046	8059	8083	8114	8152	8212	8169	8132	8111	8107	8112	8129				
30	7756	7748	7725	7715	7702	7695	7705	7712	7731	7773	7770	7717	7681	7668	7683				
35	7168	7191	7226	7256	7280	7237	7204	7183	7179	7184	7212	7198	7131	7098	7103				
40	6517	6527	6530	6533	6547	6578	6619	6591	6550	6514	6493	6514	6469	6427	6425				
45	5857	5849	5814	5797	5785	5798	5811	5862	5847	5763	5732	5712	5724	5633	5609				
50	5132	5123	5092	5056	5032	5014	5048	5031	5021	4993	4915	4879	4856	4799	4769				
55	4399	4392	4371	4320	4248	4231	4288	4293	4266	4232	4251	4196	4157	4152	4087				
60	3668	3685	3672	3563	3420	3328	3255	3354	3636	3509	3375	3570	3455	3484	3461				
65	2540	2629	2718	2672	2574	2277	2076	2023	2225	2293	2057	2068	2039	1911	1810				
70	1333	1420	1513	1521	1479	1321	1034	610	590	783	693	389	449	286	210				
75	125	215	321	416	496	490	406	224	17.2	6.52	58.8	7.02	4.60	4.32	3.93				
80	0.49	0.72	0.90	1.18	1.58	2.03	2.54	9.47	3.98	3.14	2.75	2.63	2.57	2.61	2.67				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	1.52	1.63	1.49	1.52				
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:2015-11-17

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: 明纬电源  
 反光罩: 100度 PC罩: 透明