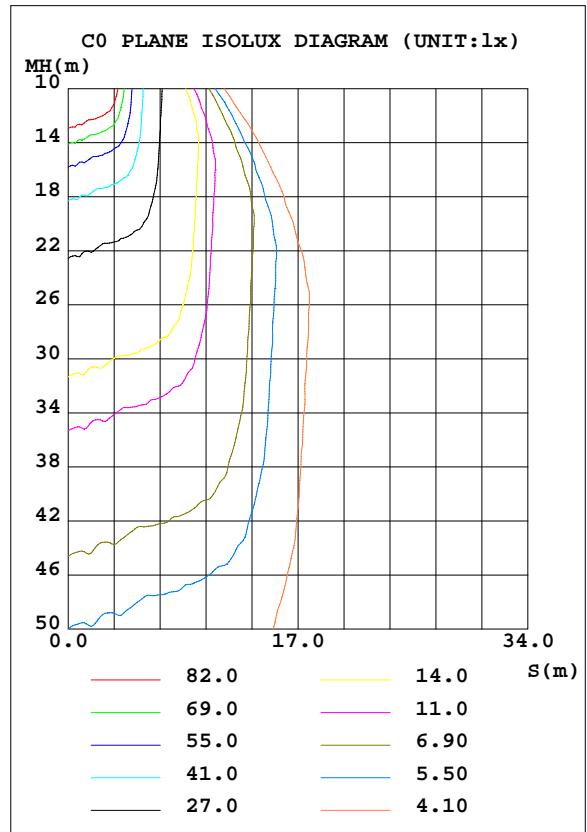
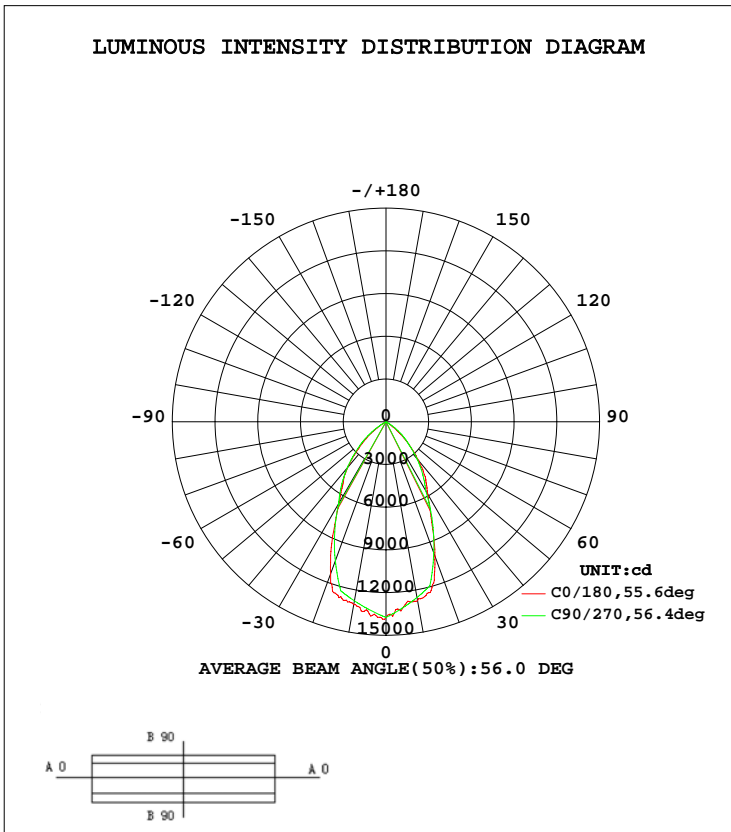


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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: 92.35 lm/W
MODEL	QH-HBGKH-150W	I <sub>max</sub> (cd)	13888	S/MH(C0/180)	0.91	
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	0.89	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14093	η UP, DN(C0-180)	0.0, 47.2	
NOMINAL FLUX(lm)	14092.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 52.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	220.1	η down(%)	100.0	CIBSE SHR MAX	0.90	



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:60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	1318	1283	1314	1314	1354	1328	1326	1297	0- 5	319.8	319.8	2.27,2.27
10	1277	1193	1253	1258	1305	1300	1277	1245	5- 10	918.5	1238	8.79,8.79
15	1227	1094	1193	1147	1279	1261	1229	1189	10- 15	1455	2693	19.1,19.1
20	1006	932.4	981.6	1013	1140	1171	1041	1054	15- 20	1842	4535	32.2,32.2
25	752.5	737.9	770.4	809.3	886.3	938.3	853.1	832.8	20- 25	1924	6459	45.8,45.8
30	588.5	573.5	559.2	629.7	664.5	722.0	665.3	647.2	25- 30	1807	8266	58.7,58.7
35	484.4	446.4	449.0	484.8	525.7	559.3	544.7	504.9	30- 35	1635	9901	70.3,70.3
40	356.9	335.1	338.9	368.9	419.8	432.0	424.2	395.0	35- 40	1454	11355	80.6,80.6
45	232.8	219.7	228.8	254.7	290.7	308.0	303.6	270.1	40- 45	1179	12533	88.9,88.9
50	127.2	111.2	153.4	141.7	178.7	193.6	204.0	155.5	45- 50	834.4	13368	94.9,94.9
55	30.56	24.43	77.93	42.61	78.42	94.29	104.3	53.41	50- 55	487.5	13855	98.3,98.3
60	3.099	7.843	2.501	17.99	7.106	43.63	4.568	20.87	55- 60	187.7	14043	99.6,99.6
65	1.729	2.077	1.823	4.863	2.179	11.96	3.261	4.949	60- 65	33.12	14076	99.9,99.9
70	0.9709	1.125	1.145	0.9390	1.245	1.732	1.954	1.059	65- 70	8.982	14085	99.9,99.9
75	0.5068	0.6712	0.4673	0.5774	0.6675	1.027	0.6464	0.6150	70- 75	4.922	14090	100,100
80	0.2155	0.2509	0	0.2331	0.3246	0.3773	0	0.2171	75- 80	2.184	14092	100,100
85	0.0468	0	0	0	0.1165	0	0	0	80- 85	0.5058	14093	100,100
90	0.0298	0	0	0	0.0478	0	0	0	85- 90	0.0653	14093	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:×10cd								UNIT:lm			

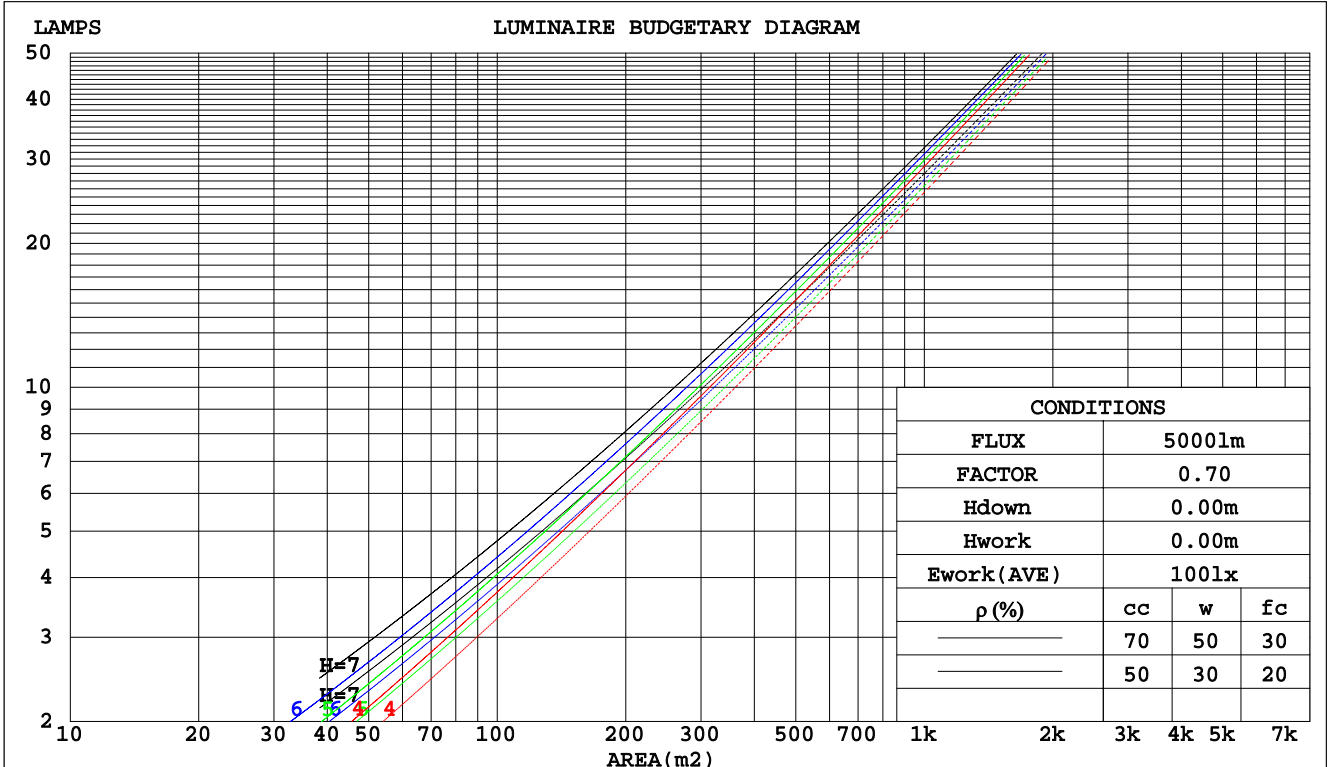
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-09-19

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:60度 PC罩: 透明

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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	1.00
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	.98	.97	.97	.95	.94	.92
2.0	1.01	.97	.93	.90	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.93	.88	.84	.82	.87	.83	.89	.85	.82	.87	.83	.80	.85	.82	.79	.77
4.0	.86	.80	.76	.75	.80	.75	.83	.78	.74	.81	.77	.73	.79	.76	.73	.71
5.0	.80	.74	.69	.69	.73	.69	.77	.72	.68	.76	.71	.67	.74	.70	.67	.65
6.0	.74	.68	.63	.64	.67	.63	.72	.67	.62	.71	.66	.62	.69	.65	.62	.60
7.0	.69	.63	.58	.60	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.55
8.0	.65	.58	.54	.57	.58	.54	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
9.0	.61	.54	.50	.54	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.49	.48
10.0	.57	.51	.47	.51	.51	.47	.56	.50	.46	.55	.50	.46	.54	.49	.46	.45



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:60度 PC罩: 透明

WEC AND CCEC

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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	.192	.109	.035	.186	.106	.034	.173	.099	.032	.161	.093	.030	.151	.087	.028	
2.0	.187	.102	.031	.181	.100	.031	.170	.095	.029	.161	.090	.028	.151	.086	.027	
3.0	.179	.095	.029	.174	.093	.028	.165	.090	.027	.157	.086	.026	.149	.082	.025	
4.0	.171	.089	.026	.167	.087	.026	.159	.084	.025	.152	.081	.025	.145	.079	.024	
5.0	.163	.083	.024	.160	.082	.024	.153	.079	.023	.146	.077	.023	.140	.075	.022	
6.0	.156	.078	.022	.153	.077	.022	.146	.075	.022	.140	.073	.021	.135	.071	.021	
7.0	.149	.073	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.142	.069	.019	.139	.069	.019	.134	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.135	.066	.018	.133	.065	.018	.129	.064	.018	.124	.062	.018	.120	.061	.018	
10.0	.130	.062	.017	.127	.062	.017	.123	.060	.017	.120	.059	.017	.116	.058	.017	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.076	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.138	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.130	.088	.057	.111	.076	.050	.077	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.105	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.116	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.065	.034	.095	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004	
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.101	.056	.026	.087	.049	.023	.060	.034	.016	.035	.020	.010	.011	.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:60度 PC罩: 透明

UGR(Unified Glare Rating) Table

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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	27.6	28.6	27.8	28.8	29.0	28.1	29.2	28.4	29.4	29.5
3H	27.4	28.3	27.6	28.6	28.8	27.9	28.9	28.2	29.1	29.3
4H	27.3	28.2	27.6	28.4	28.7	27.8	28.8	28.1	29.0	29.2
6H	27.2	28.0	27.5	28.3	28.5	27.8	28.6	28.1	28.9	29.1
8H	27.1	28.0	27.5	28.2	28.5	27.7	28.5	28.0	28.8	29.1
12H	27.1	27.9	27.4	28.2	28.4	27.7	28.5	28.0	28.7	29.0
4H 2H	27.3	28.2	27.6	28.5	28.7	27.9	28.8	28.2	29.0	29.2
3H	27.1	27.9	27.5	28.2	28.5	27.7	28.5	28.0	28.7	29.0
4H	27.1	27.8	27.4	28.1	28.4	27.6	28.3	27.9	28.6	28.9
6H	27.0	27.6	27.3	27.9	28.3	27.5	28.1	27.9	28.5	28.8
8H	26.9	27.5	27.3	27.8	28.2	27.4	28.0	27.8	28.4	28.7
12H	26.9	27.4	27.3	27.8	28.1	27.4	27.9	27.8	28.3	28.7
8H 4H	26.9	27.5	27.3	27.8	28.2	27.4	28.0	27.8	28.4	28.7
6H	26.8	27.3	27.2	27.7	28.1	27.4	27.8	27.8	28.2	28.6
8H	26.8	27.2	27.2	27.6	28.0	27.3	27.7	27.8	28.1	28.6
12H	26.7	27.1	27.2	27.5	28.0	27.3	27.6	27.7	28.0	28.5
12H 4H	26.9	27.4	27.3	27.8	28.1	27.4	27.9	27.8	28.3	28.7
6H	26.8	27.2	27.2	27.6	28.0	27.3	27.7	27.8	28.1	28.6
8H	26.7	27.1	27.2	27.5	28.0	27.3	27.6	27.7	28.0	28.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -17.2					+ 2.1 / - 5.7				
1.5H	+ 3.2 / - 6.9					+ 2.4 / - 4.0				
2.0H	+ 6.3 / -19.8					+ 5.1 / -21.6				

CIE Pub.117 Corrected 14093 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.2)

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:60度 PC罩: 透明

UTILIZATION FACTORS TABLE

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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	79	71	66	78	71	66	77	70	66	62
0.80	88	81	76	87	80	76	86	80	75	71
1.00	94	87	83	93	87	83	92	87	82	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	103	97	93	101	96	93	99	95	91	86
2.00	106	102	98	105	101	97	102	99	96	90
2.50	108	104	100	107	103	100	104	100	98	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	107	110	108	105	107	104	102	95
5.00	114	111	109	112	109	107	107	106	104	96
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

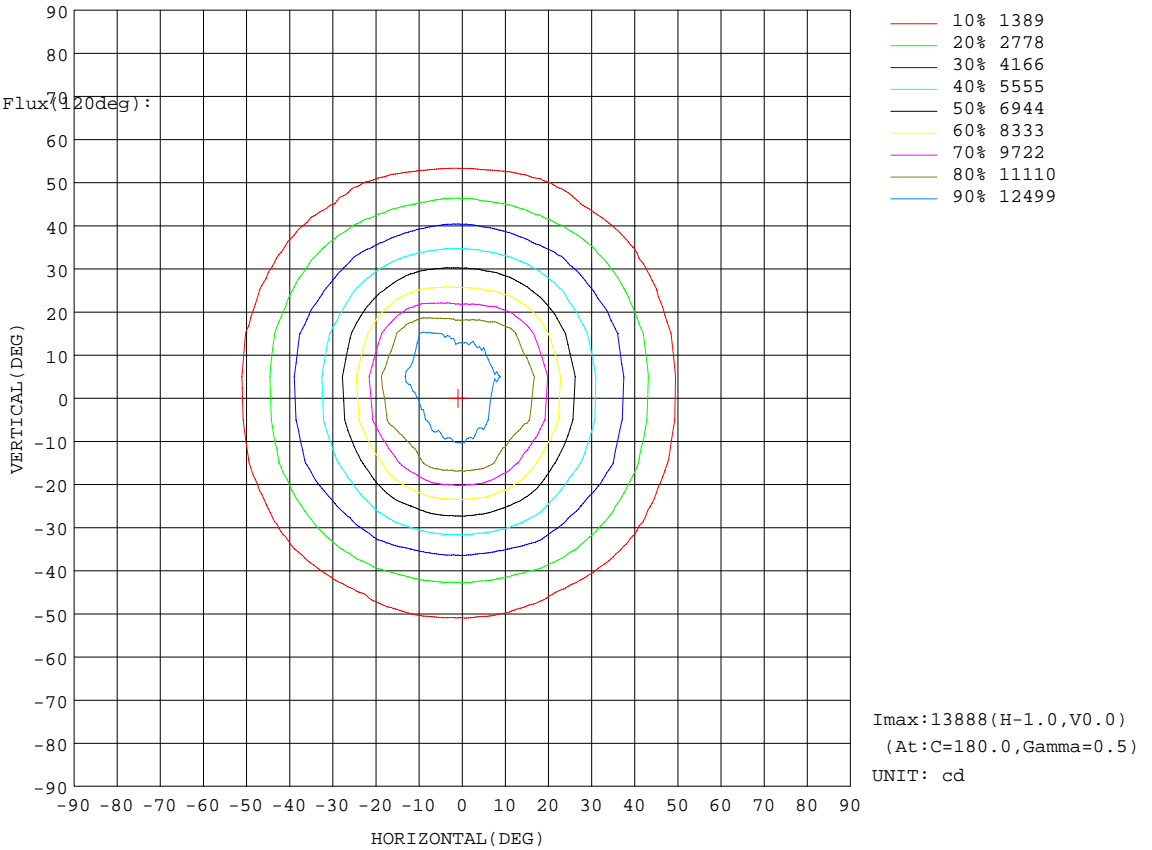
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 反光罩:60度 PC罩: 透明

ISOCANDELA DIAGRAM

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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):  
 12533 lm  
 %lum = 88.9%  
 %lamp = 88.9%

Conical surface Flux(70deg):  
 14043 lm  
 %lum = 99.6%  
 %lamp = 99.6%

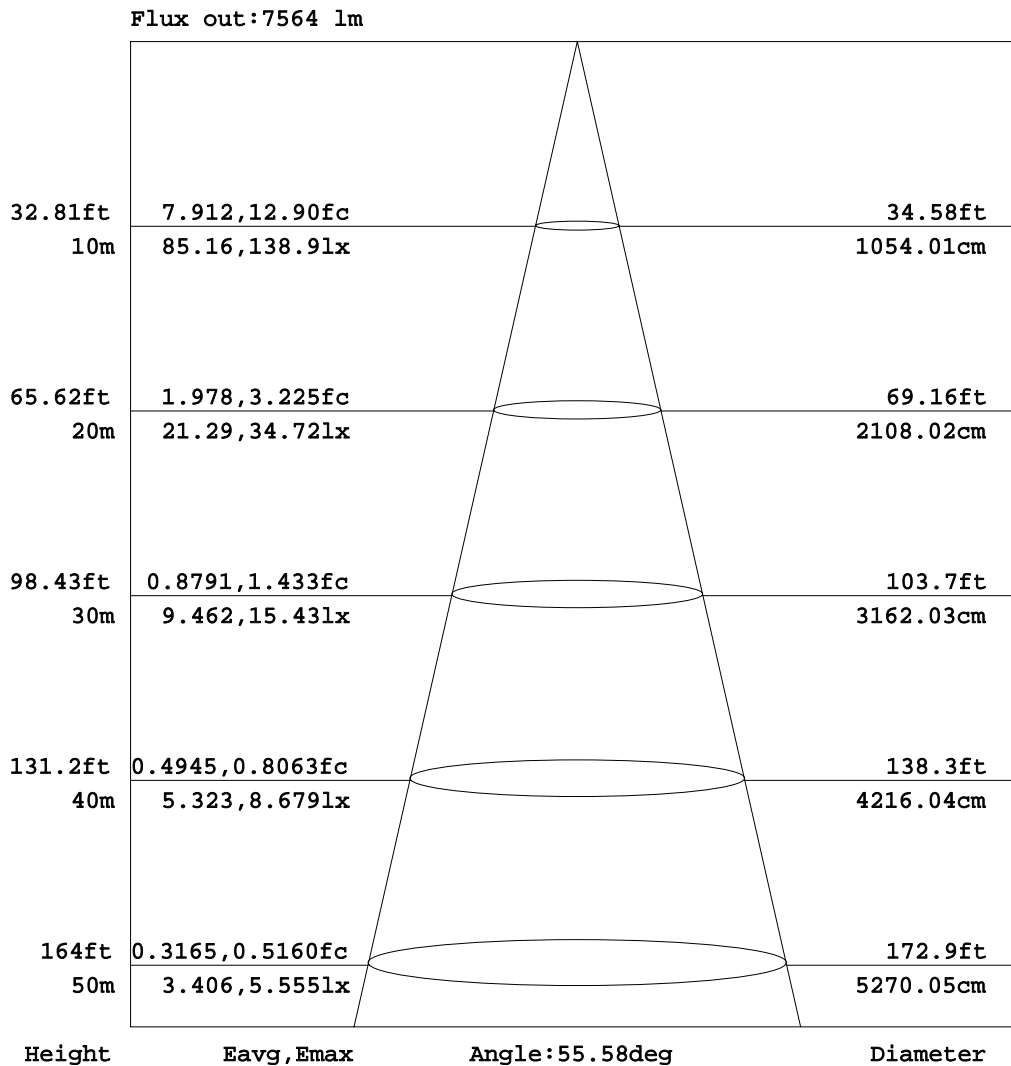


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-09-19

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:60度 PC罩: 透明

AAI Figure

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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.

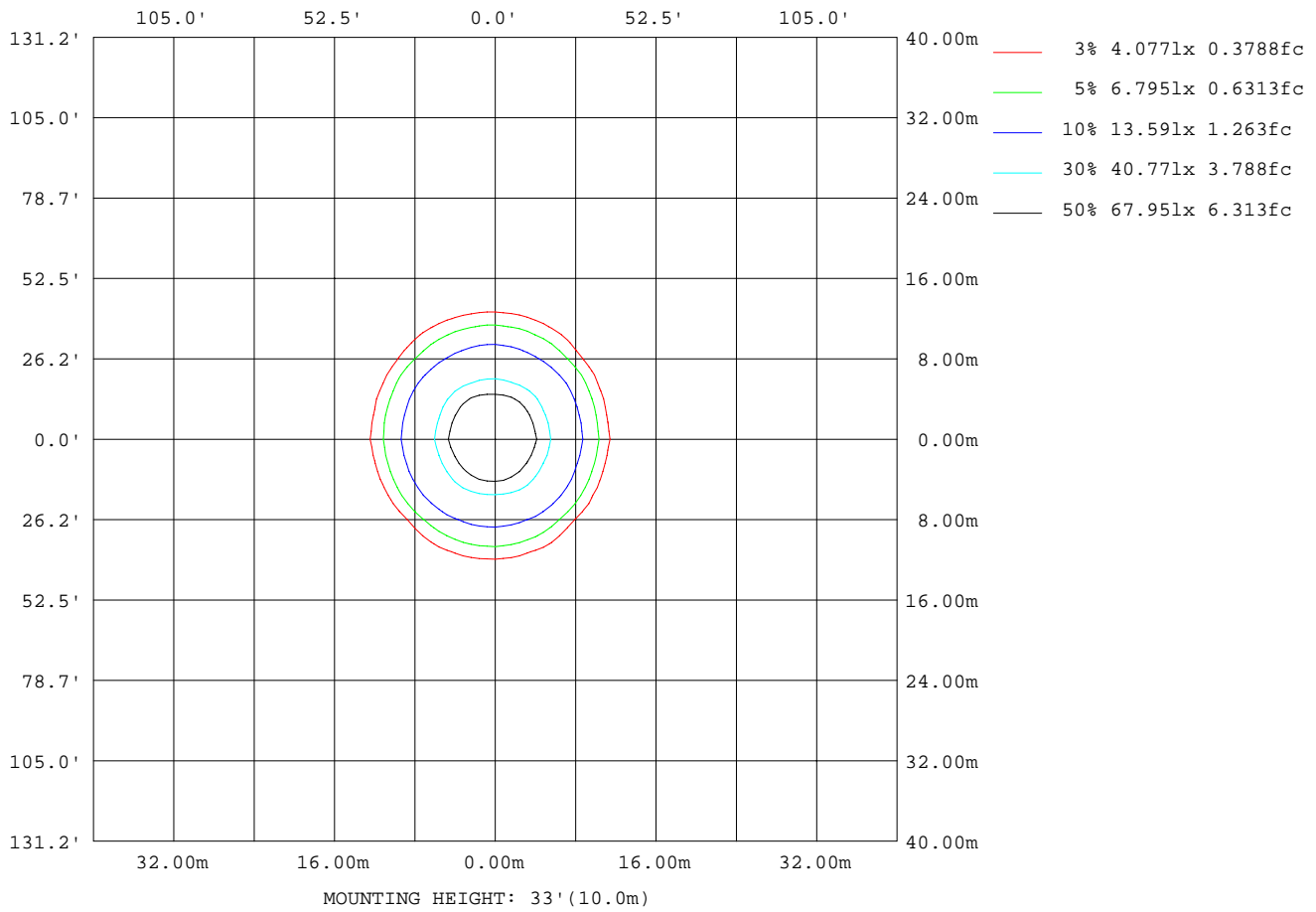
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-09-19

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:60度 PC罩: 透明



ISOLUX DIAGRAM

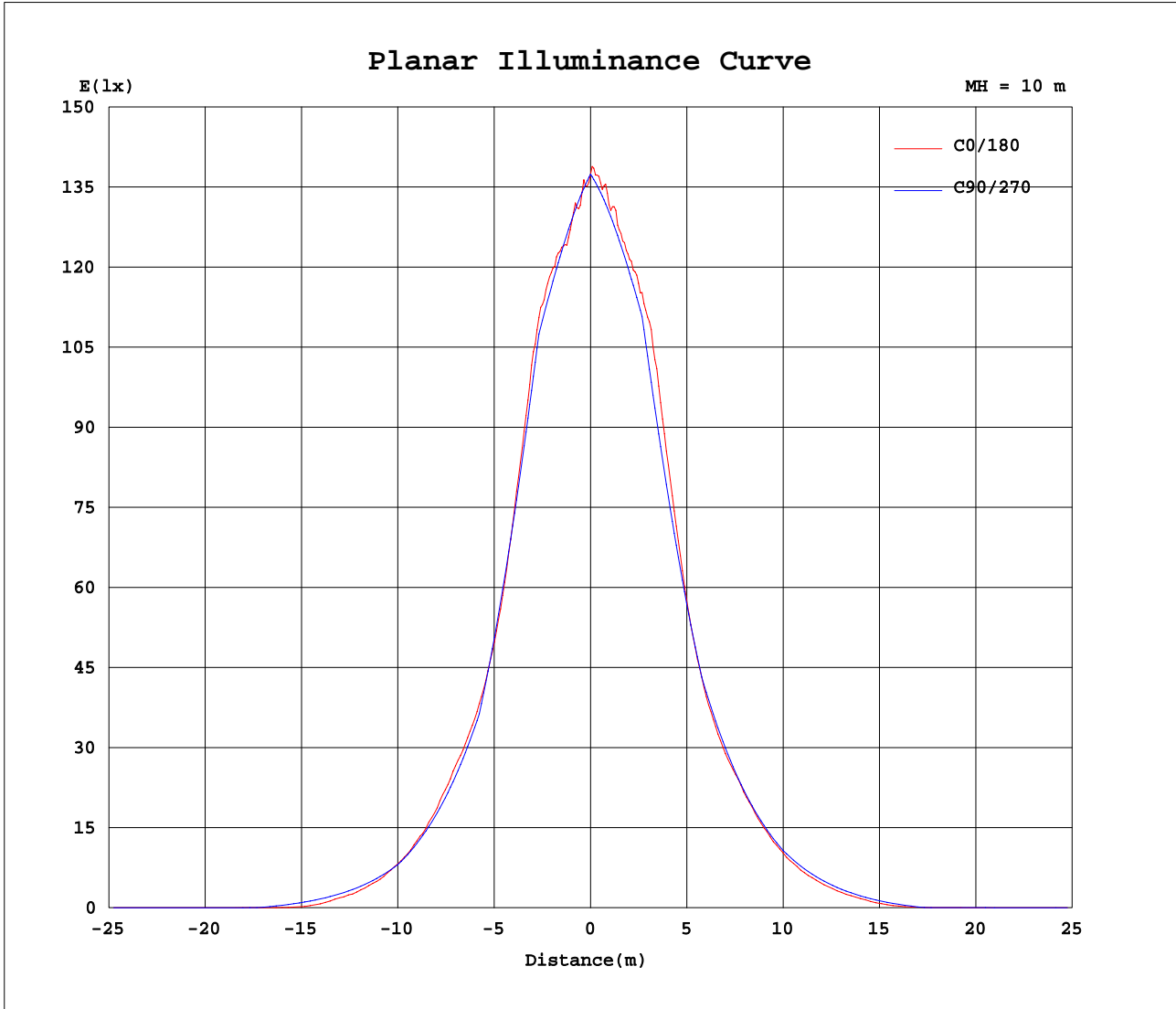
Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:2.5
SPEC.:PHILIPS 3030	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



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:60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: 60度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374
5	1318	1313	1310	1308	1307	1308	1301	1293	1287	1283	1282	1286	1297	1307	1303	1299	1299	1303	1314
10	1277	1263	1250	1238	1227	1215	1208	1201	1197	1193	1201	1211	1222	1229	1226	1236	1243	1242	1253
15	1227	1199	1174	1152	1126	1108	1102	1094	1090	1094	1105	1108	1122	1141	1160	1174	1180	1185	1193
20	1006	975	951	935	925	918	920	920	926	932	947	950	959	959	967	974	975	976	982
25	753	732	720	712	710	709	713	717	726	738	748	754	760	764	763	766	767	766	770
30	588	575	567	563	565	567	566	562	567	574	584	594	592	586	577	568	560	555	559
35	484	468	461	457	463	466	451	443	444	446	454	456	459	448	444	444	444	444	449
40	357	342	334	335	340	332	333	331	335	335	334	337	337	335	331	332	334	334	339
45	233	220	218	224	219	215	215	214	220	220	219	219	222	221	217	220	223	224	229
50	127	117	117	116	111	113	117	116	114	111	110	109	120	131	135	141	147	150	153
55	30.6	25.1	25.4	29.7	30.3	26.7	45.5	44.9	31.1	24.4	39.4	57.5	67.7	75.0	76.4	75.3	76.4	76.5	77.9
60	3.10	2.98	3.09	3.10	3.17	3.33	7.72	3.91	3.40	7.84	16.4	23.7	26.2	24.6	19.0	12.9	7.64	3.89	2.50
65	1.73	1.71	1.73	1.78	1.81	1.85	1.87	1.95	2.06	2.08	3.51	1.76	1.80	1.82	1.83	1.82	1.83	1.84	1.82
70	0.97	0.97	0.98	1.00	1.01	1.06	1.11	1.11	1.06	1.13	1.17	1.20	1.21	1.21	1.19	1.17	1.17	1.16	1.15
75	0.51	0.50	0.51	0.51	0.55	0.57	0.58	0.62	0.65	0.67	0.67	0.66	0.63	0.60	0.56	0.53	0.50	0.48	0.47
80	0.22	0.21	0.22	0.25	0.27	0.30	0.31	0.31	0.29	0.25	0.21	0.16	0.12	0.09	0.06	0.03	0.01	0.00	0.00
85	0.05	0.05	0.11	0.15	0.13	0.06	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	0.03	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:60度 PC罩: 透明

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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: x10cd

C( DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374
5	1322	1322	1318	1317	1319	1321	1316	1314	1314	1321	1328	1335	1341	1342	1343	1346	1349	1354	1351
10	1255	1255	1253	1248	1253	1254	1246	1250	1258	1257	1250	1252	1258	1260	1269	1280	1293	1305	1302
15	1191	1190	1187	1190	1184	1182	1166	1154	1147	1141	1148	1156	1170	1182	1196	1222	1251	1279	1265
20	983	987	998	1006	1011	1010	1008	1016	1013	1006	1004	1013	1018	1033	1053	1075	1104	1140	1120
25	772	778	787	795	799	803	809	813	809	803	798	796	799	806	817	832	855	886	868
30	559	569	581	593	606	619	629	630	630	622	621	620	623	621	623	633	645	665	653
35	449	452	454	457	461	470	480	485	485	484	483	489	499	507	507	508	513	526	520
40	339	342	344	347	350	356	361	365	369	373	375	380	385	398	395	395	403	420	411
45	229	232	235	235	238	244	246	249	255	260	261	259	264	268	277	275	277	291	285
50	154	155	155	150	147	139	135	140	142	146	151	151	155	157	166	169	168	179	173
55	78.9	81.0	83.5	83.7	84.9	84.0	74.3	60.2	42.6	52.4	61.7	68.6	62.0	58.7	65.8	69.3	67.3	78.4	73.6
60	3.87	7.88	13.9	20.6	27.8	32.2	33.0	26.1	18.0	7.32	4.30	16.7	12.2	3.50	9.51	4.31	6.05	7.11	6.41
65	1.80	1.76	1.70	1.62	1.57	1.53	1.47	4.96	4.86	1.91	1.81	1.69	1.81	1.83	1.87	1.95	2.02	2.18	2.25
70	1.13	1.11	1.08	1.06	1.04	1.03	1.00	0.97	0.94	0.90	0.97	1.01	1.01	1.01	1.06	1.10	1.17	1.25	1.30
75	0.46	0.47	0.49	0.50	0.53	0.55	0.56	0.57	0.58	0.57	0.56	0.54	0.56	0.57	0.56	0.59	0.62	0.67	0.70
80	0.00	0.01	0.03	0.05	0.08	0.11	0.15	0.19	0.23	0.28	0.31	0.32	0.32	0.31	0.31	0.29	0.30	0.32	0.34
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	0.07	0.16	0.18	0.17	0.11	0.12	0.12
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	0.05	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:60度 PC罩: 透明



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.5V I:0.7280A P:152.6W PF:0.9500 Lamp Flux:14092.6x1 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: x10cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374				
5	1313	1319	1323	1312	1301	1297	1297	1300	1304	1311	1317	1315	1314	1314	1315				
10	1269	1264	1265	1260	1252	1248	1245	1247	1246	1248	1249	1255	1260	1265	1270				
15	1231	1222	1221	1221	1205	1198	1189	1178	1168	1165	1163	1170	1185	1195	1209				
20	1049	1065	1069	1075	1078	1070	1054	1031	1010	994	979	971	968	973	986				
25	857	861	866	859	856	846	833	816	804	780	760	748	738	736	740				
30	660	660	663	667	662	656	647	634	618	613	600	588	578	575	579				
35	525	518	512	507	512	515	505	497	487	482	486	488	475	470	474				
40	408	401	394	393	394	391	395	385	375	370	368	366	357	347	348				
45	295	289	283	278	275	274	270	269	268	253	245	242	244	230	227				
50	197	189	182	171	160	157	155	154	149	144	136	131	130	125	121				
55	106	105	105	100	90.4	75.4	53.4	54.1	57.3	58.7	49.6	38.5	40.3	32.8	26.9				
60	18.1	26.5	33.5	39.0	39.1	33.6	20.9	7.57	4.24	13.9	5.90	3.14	3.10	3.06	2.98				
65	2.57	2.38	2.17	1.98	1.85	6.11	4.95	2.05	1.87	1.73	1.74	1.70	1.69	1.67	1.68				
70	1.60	1.51	1.39	1.30	1.23	1.15	1.06	0.98	1.00	1.00	0.97	0.94	0.94	0.94	0.95				
75	0.64	0.65	0.65	0.66	0.65	0.64	0.62	0.58	0.55	0.51	0.50	0.50	0.48	0.49	0.49				
80	0.04	0.06	0.09	0.13	0.16	0.19	0.22	0.24	0.25	0.25	0.24	0.22	0.22	0.21	0.21				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.06	0.06	0.05				
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:60度 PC罩: 透明