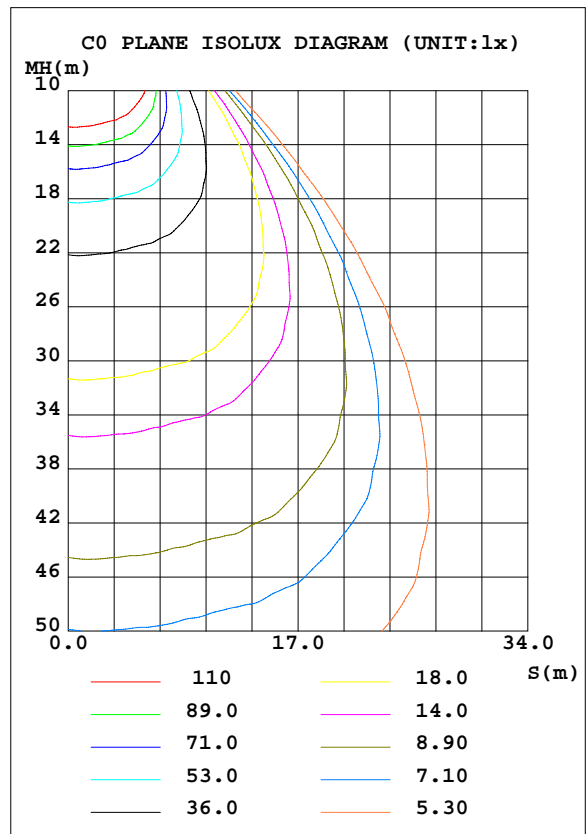
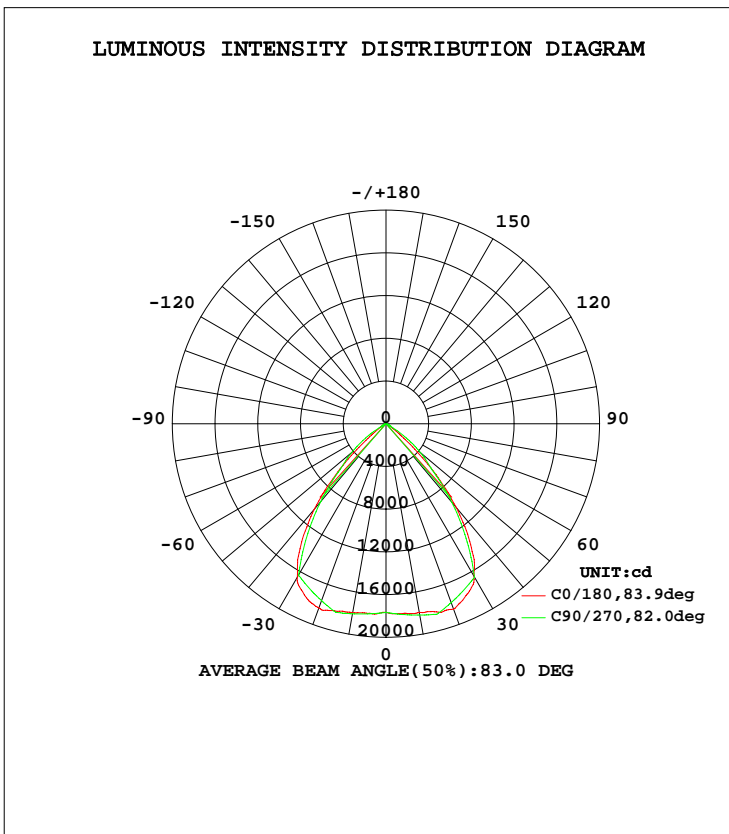


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.15 lm/W			
MODEL	QH-HBZSL-300W	I _{max} (cd)	18635	S/MH(C0/180)	1.21
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	29585	η UP, DN(C0-180)	0.0, 50.1
NOMINAL FLUX(lm)	29585.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.2	η down(%)	100.0	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	1784	1797	1793	1800	1781	1797	1787	1792	0- 5	426.8	426.8	1.44,1.44
10	1794	1816	1819	1818	1797	1805	1807	1811	5- 10	1289	1716	5.8,5.8
15	1823	1825	1846	1844	1817	1826	1827	1829	10- 15	2159	3875	13.1,13.1
20	1847	1827	1783	1855	1836	1816	1764	1831	15- 20	3004	6879	23.3,23.3
25	1774	1718	1721	1747	1784	1706	1700	1714	20- 25	3719	10597	35.8,35.8
30	1651	1539	1658	1566	1661	1529	1637	1539	25- 30	4230	14827	50.1,50.1
35	1384	1301	1308	1324	1391	1296	1294	1307	30- 35	4345	19172	64.8,64.8
40	1026	993.0	958.9	1024	1045	999.2	950.5	1014	35- 40	3864	23036	77.9,77.9
45	623.8	627.5	609.2	647.6	639.1	632.4	607.3	647.1	40- 45	2941	25976	87.8,87.8
50	267.0	323.5	421.3	335.5	272.9	329.2	419.9	334.8	45- 50	1831	27807	94,94
55	93.37	91.49	233.3	94.32	97.96	97.17	232.5	91.84	50- 55	965.3	28772	97.3,97.3
60	46.54	51.09	45.30	50.66	45.58	54.56	45.14	49.77	55- 60	452.0	29224	98.8,98.8
65	28.48	30.06	31.01	28.00	28.19	30.36	30.66	26.29	60- 65	195.6	29420	99.4,99.4
70	12.28	15.84	16.72	13.98	12.17	15.83	16.17	12.65	65- 70	108.8	29529	99.8,99.8
75	2.283	7.174	2.435	6.400	2.254	7.107	1.684	5.631	70- 75	46.73	29575	100,100
80	0.4240	0.6568	0	0.5996	0.4336	0.4321	0	0.3339	75- 80	8.941	29584	100,100
85	0.1059	0	0	0	0.1137	0	0	0	80- 85	0.8948	29585	100,100
90	0.0599	0	0	0	0.0903	0	0	0	85- 90	0.1087	29585	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			

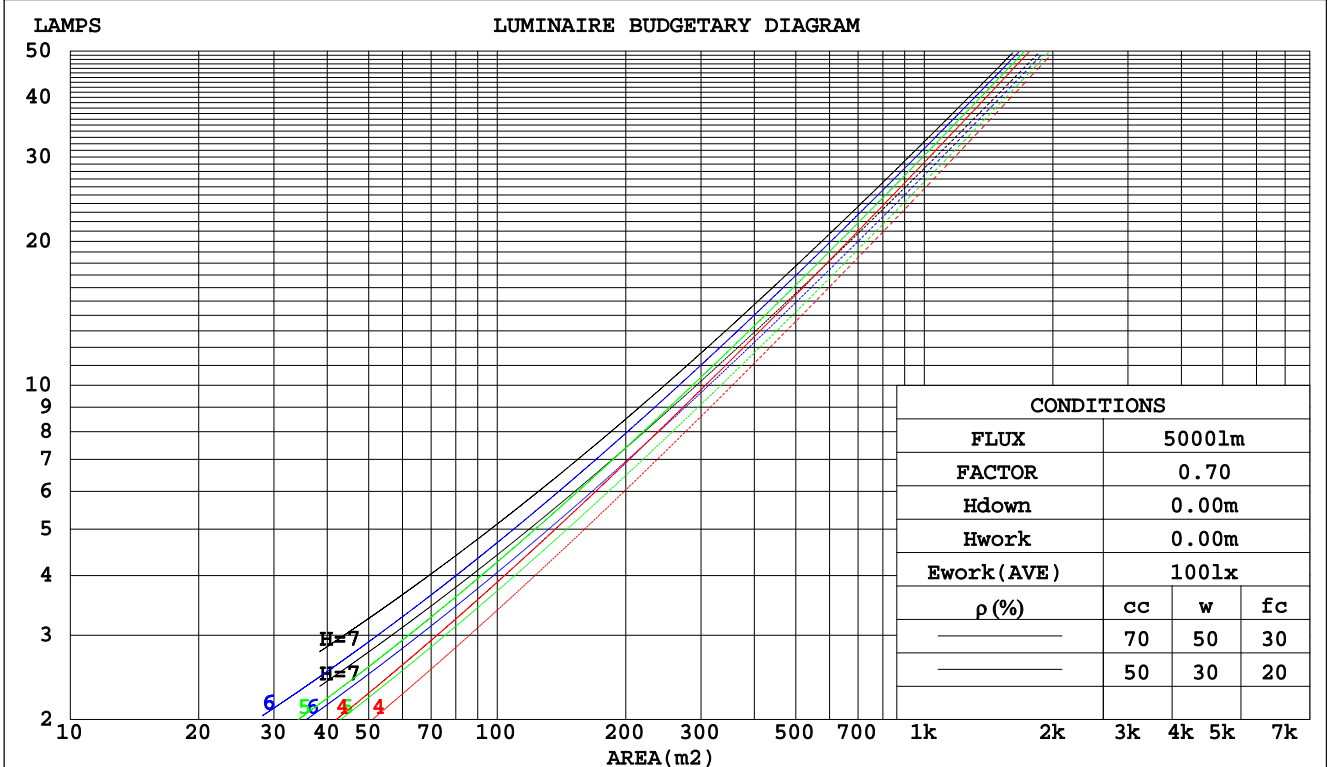
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	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	1.09	1.07	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.92
2.0	1.00	.95	.92	.98	.94	.90	.95	.92	.88	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.81	.90	.85	.81	.88	.83	.79	.85	.81	.78	.83	.79	.77	.75
4.0	.84	.78	.73	.83	.77	.72	.81	.75	.71	.79	.74	.70	.77	.73	.70	.68
5.0	.77	.70	.65	.76	.70	.65	.74	.69	.64	.73	.68	.64	.71	.67	.63	.62
6.0	.71	.64	.59	.70	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.58	.54	.64	.58	.53	.62	.57	.53	.61	.56	.53	.51
8.0	.61	.54	.49	.60	.54	.49	.59	.53	.49	.58	.53	.49	.57	.52	.48	.47
9.0	.57	.50	.45	.56	.50	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.43
10.0	.53	.46	.42	.52	.46	.42	.51	.46	.41	.51	.45	.41	.50	.45	.41	.40



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

WEC AND CCEC

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	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	.204	.116	.037	.197	.112	.036	.184	.106	.034	.172	.099	.032	.162	.094	.030	
2.0	.199	.109	.033	.193	.106	.033	.182	.101	.031	.172	.097	.030	.163	.092	.029	
3.0	.191	.102	.030	.186	.100	.030	.177	.096	.029	.168	.092	.028	.160	.089	.027	
4.0	.183	.095	.028	.178	.093	.028	.170	.090	.027	.162	.087	.026	.155	.084	.026	
5.0	.174	.089	.026	.170	.088	.025	.163	.085	.025	.156	.083	.025	.150	.080	.024	
6.0	.166	.083	.024	.163	.082	.024	.156	.080	.023	.150	.078	.023	.145	.076	.023	
7.0	.158	.078	.022	.155	.077	.022	.150	.076	.022	.144	.074	.022	.139	.072	.021	
8.0	.151	.074	.021	.148	.073	.021	.143	.072	.020	.138	.070	.020	.134	.069	.020	
9.0	.144	.070	.019	.142	.069	.019	.137	.068	.019	.133	.067	.019	.129	.065	.019	
10.0	.138	.066	.018	.136	.066	.018	.131	.064	.018	.127	.063	.018	.124	.062	.018	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.133	.088	.056	.114	.076	.048	.079	.053	.034	.046	.031	.020	.015	.010	.007	
6.0	.126	.079	.046	.108	.069	.040	.075	.048	.028	.043	.028	.017	.014	.009	.006	
7.0	.120	.072	.039	.103	.063	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.115	.066	.033	.099	.058	.029	.068	.040	.020	.040	.024	.012	.013	.008	.004	
9.0	.110	.061	.029	.094	.053	.025	.065	.037	.018	.038	.022	.011	.012	.007	.004	
10.0	.105	.057	.025	.091	.050	.022	.063	.035	.016	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

UGR(Unified Glare Rating) Table

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm										
NAME: LED HIGH BAY LIGHT					TYPE:			WEIGHT:4		
SPEC.:CREE XTE					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	32.2	33.3	32.4	33.5	33.7	32.8	34.0	33.1	34.1	34.3
3H	32.0	33.0	32.3	33.3	33.5	32.7	33.7	32.9	33.9	34.1
4H	31.9	32.9	32.2	33.1	33.4	32.6	33.6	32.9	33.8	34.0
6H	31.8	32.7	32.1	33.0	33.2	32.5	33.4	32.8	33.6	33.9
8H	31.8	32.7	32.1	32.9	33.2	32.4	33.3	32.7	33.6	33.8
12H	31.7	32.6	32.1	32.8	33.1	32.4	33.2	32.7	33.5	33.8
4H 2H	31.9	32.9	32.2	33.2	33.4	32.6	33.6	32.9	33.8	34.0
3H	31.8	32.6	32.1	32.9	33.2	32.4	33.3	32.8	33.6	33.8
4H	31.7	32.5	32.1	32.8	33.1	32.3	33.1	32.7	33.4	33.7
6H	31.6	32.3	32.0	32.6	33.0	32.3	32.9	32.6	33.3	33.6
8H	31.6	32.2	32.0	32.5	32.9	32.2	32.8	32.6	33.2	33.5
12H	31.5	32.1	31.9	32.4	32.8	32.2	32.7	32.6	33.1	33.5
8H 4H	31.6	32.2	32.0	32.5	32.9	32.2	32.8	32.6	33.2	33.5
6H	31.5	32.0	31.9	32.4	32.8	32.1	32.6	32.5	33.0	33.4
8H	31.4	31.9	31.9	32.3	32.7	32.1	32.5	32.5	32.9	33.4
12H	31.4	31.8	31.8	32.2	32.7	32.0	32.4	32.5	32.8	33.3
12H 4H	31.5	32.1	31.9	32.5	32.8	32.2	32.7	32.6	33.1	33.5
6H	31.4	31.9	31.9	32.3	32.7	32.1	32.5	32.5	32.9	33.4
8H	31.4	31.8	31.8	32.2	32.7	32.0	32.4	32.5	32.8	33.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -10.0					+ 2.1 / - 4.9				
1.5H	+ 3.5 / - 6.6					+ 2.7 / - 4.8				
2.0H	+ 6.5 / - 8.0					+ 4.8 / - 9.1				

CIE Pub.117 Corrected 29585 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.8)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

UTILIZATION FACTORS TABLE

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	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	77	69	64	77	69	64	76	69	64	60
0.80	86	79	74	86	78	74	84	78	73	69
1.00	93	86	81	92	85	81	90	86	81	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	94	90	85
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	100	97	90
3.00	110	106	102	108	104	101	104	102	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	113	111	108	111	109	107	107	105	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:2015-03-14

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: 90度

ISOCANDELA DIAGRAM

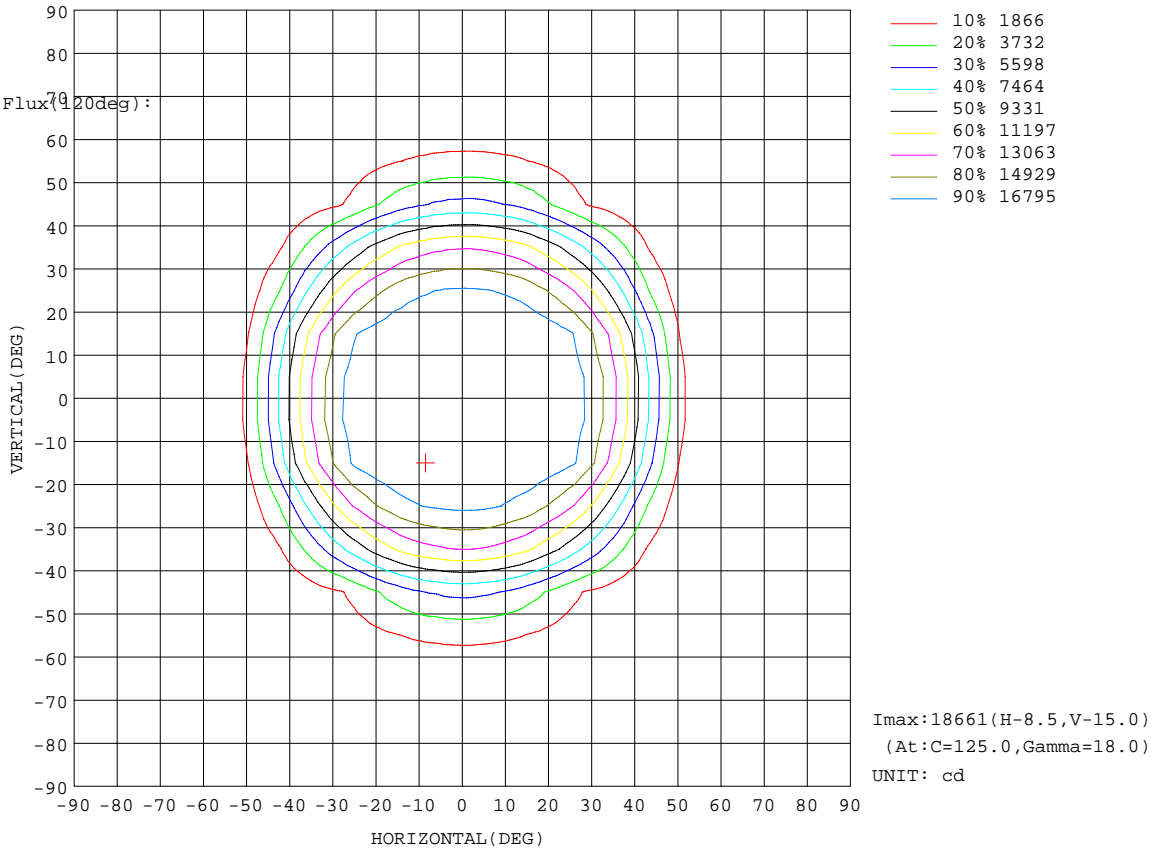
Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

25976 lm
 %lum = 87.8%
 %lamp = 87.8%

Conical surface Flux(70deg):

29224 lm
 %lum = 98.8%
 %lamp = 98.8%

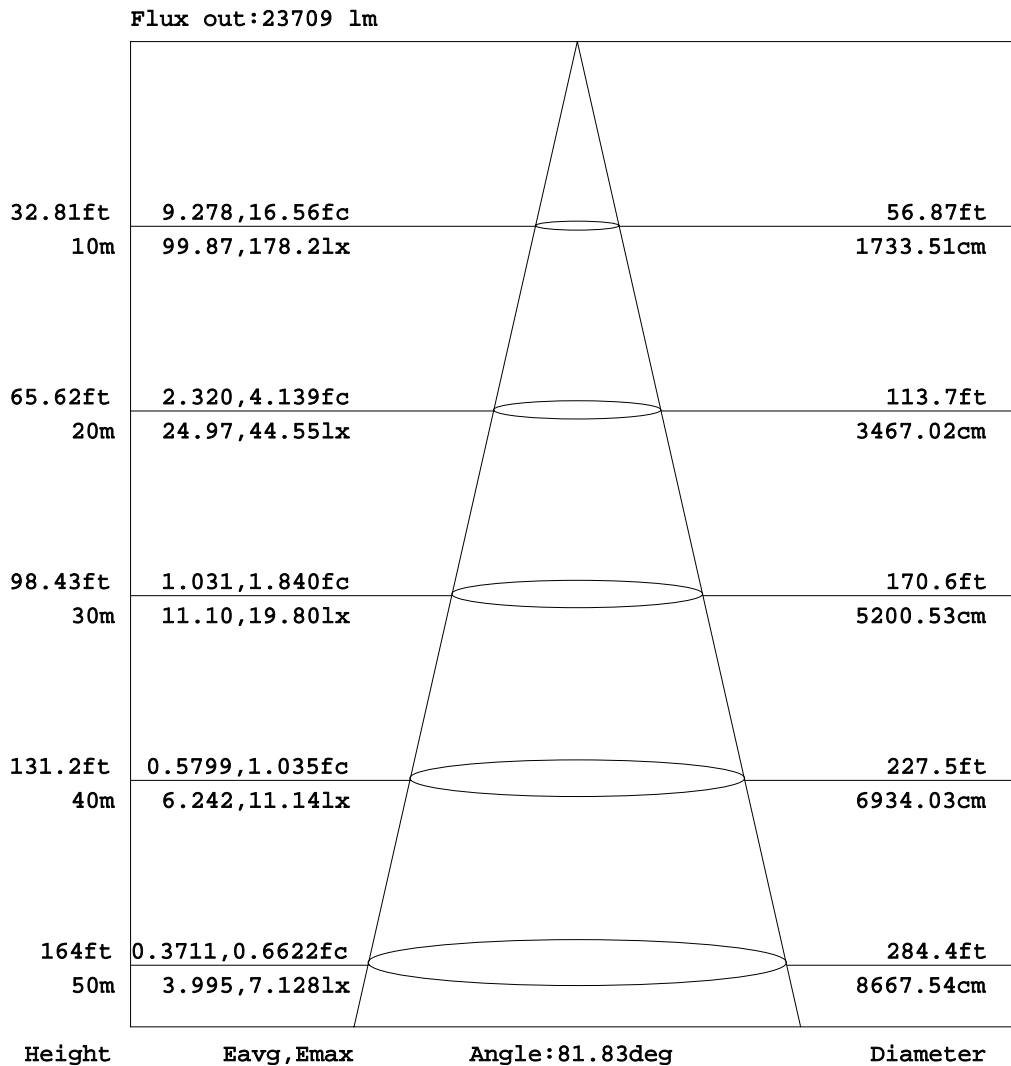


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

AAI Figure

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



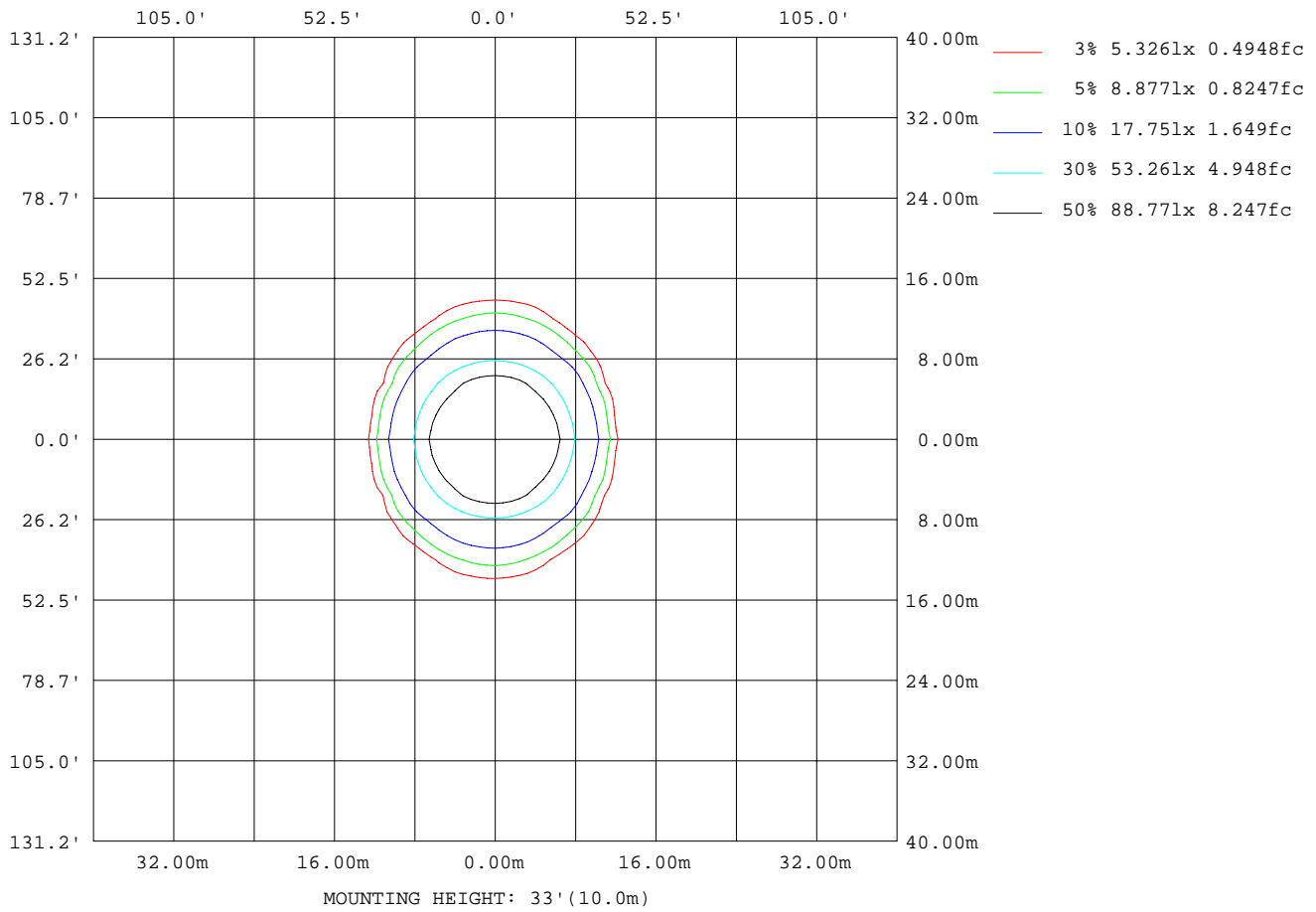
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

ISOLUX DIAGRAM

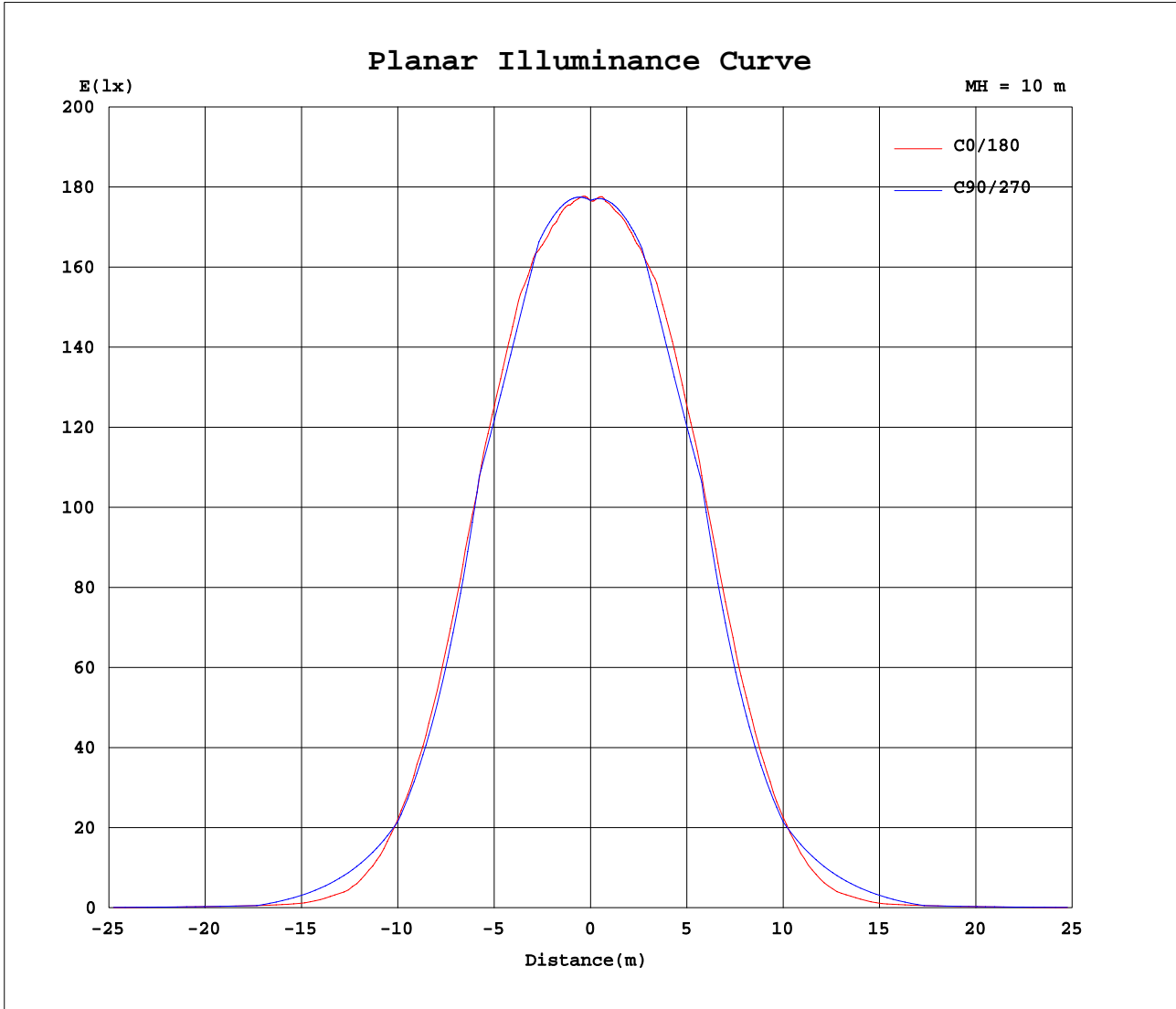
Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2015-03-14

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: 90度

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	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	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766
5	1784	1785	1787	1789	1790	1792	1793	1794	1795	1797	1798	1799	1800	1799	1799	1798	1796	1794	1793
10	1794	1796	1799	1802	1804	1808	1810	1812	1814	1816	1816	1815	1817	1819	1821	1822	1820	1819	1819
15	1823	1823	1822	1821	1818	1817	1816	1817	1822	1825	1825	1831	1834	1837	1838	1842	1844	1841	1846
20	1847	1838	1829	1821	1816	1814	1817	1823	1825	1827	1815	1803	1792	1787	1786	1782	1784	1781	1783
25	1774	1765	1759	1757	1758	1761	1765	1774	1742	1718	1709	1702	1694	1697	1702	1711	1717	1720	1721
30	1651	1629	1619	1615	1619	1637	1642	1590	1559	1539	1536	1548	1572	1586	1606	1627	1645	1657	1658
35	1384	1346	1328	1338	1355	1355	1334	1309	1302	1301	1323	1348	1345	1341	1323	1316	1312	1310	1308
40	1026	983	969	978	997	971	960	958	973	993	982	977	961	962	962	957	956	956	959
45	624	586	578	597	585	581	585	603	623	627	615	599	591	589	592	597	599	601	609
50	267	245	243	257	269	258	260	305	328	324	288	252	268	316	356	389	405	413	421
55	93.4	85.5	88.9	97.8	92.0	95.8	118	127	119	91.5	120	131	163	192	211	225	229	230	233
60	46.5	45.2	45.6	45.5	45.8	46.2	52.5	47.4	46.9	51.1	67.8	75.7	81.2	84.6	79.6	69.5	57.3	48.5	45.3
65	28.5	27.6	27.5	27.9	27.7	27.6	28.5	28.8	29.0	30.1	32.5	31.0	31.8	32.1	31.9	31.7	31.4	31.1	31.0
70	12.3	12.0	12.0	12.0	12.2	12.7	13.4	13.4	13.4	15.8	17.7	18.7	18.8	18.5	18.0	17.6	17.2	16.8	16.7
75	2.28	2.15	2.36	2.19	3.33	3.14	2.95	4.94	6.46	7.17	7.39	7.01	6.16	5.20	4.28	3.49	3.00	2.62	2.43
80	0.42	0.40	0.41	0.49	0.55	0.74	1.03	1.29	0.91	0.66	0.59	0.50	0.42	0.33	0.24	0.14	0.07	0.02	0.00
85	0.11	0.10	0.18	0.29	0.27	0.12	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	0.06	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	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:2015-03-14

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: 90度

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	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	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766
5	1792	1792	1794	1796	1798	1799	1800	1800	1800	1798	1796	1794	1791	1789	1787	1785	1783	1781	1783
10	1820	1821	1823	1824	1823	1822	1821	1819	1818	1817	1817	1816	1814	1811	1808	1804	1800	1797	1799
15	1847	1845	1846	1847	1847	1848	1852	1849	1844	1841	1835	1830	1828	1826	1825	1823	1820	1817	1816
20	1785	1784	1789	1794	1807	1819	1831	1846	1855	1848	1841	1836	1831	1831	1831	1831	1833	1836	1827
25	1721	1717	1713	1714	1715	1717	1723	1732	1747	1766	1800	1786	1778	1775	1772	1772	1776	1784	1769
30	1657	1643	1630	1616	1602	1588	1569	1560	1566	1579	1614	1663	1656	1635	1630	1634	1641	1661	1635
35	1309	1311	1320	1336	1354	1361	1375	1346	1324	1330	1332	1355	1384	1391	1365	1351	1361	1391	1355
40	959	955	966	976	979	988	1000	1002	1024	1005	990	995	1007	1046	1019	1004	1012	1045	1006
45	608	602	608	610	610	616	620	637	648	644	631	619	620	630	647	613	610	639	607
50	418	409	399	372	341	292	264	298	335	343	326	279	273	292	288	263	256	273	254
55	233	233	231	220	203	175	138	122	94.3	123	133	119	100	94.4	105	95.7	91.4	98.0	91.8
60	48.4	57.2	69.2	80.4	86.6	82.9	75.3	69.9	50.7	45.3	45.9	51.8	45.8	44.6	44.9	45.2	44.7	45.6	45.2
65	31.0	30.9	30.7	30.4	30.0	29.5	28.2	30.1	28.0	27.5	27.7	27.7	26.7	27.0	27.5	27.4	27.5	28.2	27.9
70	16.7	16.8	17.0	17.1	17.2	17.1	16.8	15.7	14.0	11.9	12.4	12.7	12.4	12.0	11.8	11.8	12.0	12.2	12.3
75	2.49	2.82	3.27	3.92	4.73	5.60	6.28	6.60	6.40	5.77	4.42	2.62	3.03	3.37	2.23	2.26	2.26	2.25	2.39
80	0.02	0.07	0.13	0.21	0.28	0.36	0.43	0.52	0.60	0.87	1.22	0.99	0.76	0.58	0.54	0.42	0.42	0.43	0.42
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	0.15	0.35	0.39	0.27	0.11	0.11	0.10
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	0.09	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2015-03-14

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: 90度

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	DIM.:	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766
5	1784	1786	1787	1789	1791	1793	1795	1797	1797	1796	1795	1793	1790	1788	1786	1786	1787	1788	1790
10	1801	1802	1803	1803	1803	1803	1803	1805	1807	1809	1812	1813	1814	1813	1810	1807	1807	1806	1809
15	1815	1814	1812	1812	1816	1821	1825	1826	1824	1820	1821	1825	1831	1830	1831	1828	1827	1823	1827
20	1819	1813	1808	1802	1805	1809	1809	1816	1820	1806	1790	1774	1771	1770	1767	1764	1764	1762	1763
25	1757	1750	1746	1744	1744	1749	1719	1706	1697	1690	1691	1690	1688	1691	1697	1698	1700	1697	1693
30	1622	1610	1610	1621	1620	1572	1545	1529	1525	1541	1559	1575	1594	1611	1623	1630	1637	1630	1622
35	1341	1349	1361	1353	1328	1302	1298	1296	1323	1348	1341	1334	1313	1305	1293	1293	1294	1294	1297
40	994	1006	1022	987	973	969	980	999	986	986	971	969	961	952	952	950	950	951	952
45	605	635	613	604	605	617	631	632	624	612	608	602	606	604	607	608	607	608	606
50	259	281	284	268	271	317	337	329	291	264	293	339	373	394	410	417	420	419	411
55	96.3	104	94.7	101	118	132	122	97.2	121	143	175	202	220	227	230	232	233	233	232
60	46.3	46.5	47.2	47.9	55.0	49.7	48.7	54.6	71.0	75.4	84.4	87.2	80.3	69.0	57.0	48.3	45.1	48.2	56.6
65	28.2	28.9	28.7	29.5	31.0	30.6	30.1	30.4	32.5	30.2	30.7	30.8	31.0	30.8	30.9	30.7	30.7	30.5	30.2
70	12.3	12.5	12.9	13.7	14.3	13.9	13.6	15.8	17.3	18.0	17.9	17.7	17.2	16.8	16.5	16.3	16.2	16.1	16.1
75	2.42	2.40	3.54	3.23	2.87	4.89	6.44	7.11	7.14	6.58	5.63	4.62	3.65	2.84	2.21	1.87	1.68	1.72	2.06
80	0.43	0.48	0.46	0.60	0.86	1.09	0.66	0.43	0.40	0.35	0.29	0.23	0.16	0.10	0.05	0.01	0.00	0.01	0.04
85	0.11	0.12	0.09	0.05	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:2015-03-14

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: 90度

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:1.397A P:298.4W PF:0.9710 Lamp Flux:29585.3x1 lm		
NAME: LED HIGH BAY LIGHT	TYPE:	WEIGHT:4
SPEC.:CREE XTE	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	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766				
5	1792	1793	1794	1795	1794	1794	1792	1791	1790	1790	1789	1788	1787	1786	1785				
10	1811	1810	1809	1810	1810	1810	1811	1811	1810	1809	1808	1805	1802	1800	1797				
15	1824	1827	1827	1826	1826	1829	1829	1828	1825	1823	1820	1819	1821	1822	1823				
20	1767	1771	1779	1795	1809	1828	1831	1822	1819	1813	1811	1814	1819	1828	1837				
25	1691	1690	1692	1695	1699	1702	1714	1738	1765	1761	1751	1753	1752	1755	1763				
30	1607	1593	1578	1565	1541	1535	1539	1553	1585	1622	1622	1611	1607	1612	1625				
35	1307	1321	1336	1338	1350	1328	1307	1305	1313	1330	1352	1361	1343	1332	1348				
40	958	968	972	975	989	993	1014	1001	982	981	989	1013	992	978	990				
45	613	613	608	611	618	633	647	648	637	618	611	610	622	593	594				
50	403	380	343	295	268	296	335	345	327	286	275	282	267	251	248				
55	233	224	204	176	142	119	91.8	123	133	118	98.4	92.6	99.0	90.0	86.0				
60	68.8	79.6	85.8	83.5	72.9	66.1	49.8	44.0	44.7	51.1	45.1	44.7	44.5	44.8	44.9				
65	30.0	29.2	28.6	27.6	25.9	27.9	26.3	26.2	26.5	26.4	25.8	26.4	27.2	26.9	27.3				
70	16.2	16.2	16.3	16.0	15.4	14.2	12.7	10.9	11.8	12.1	11.8	11.5	11.6	11.7	11.8				
75	2.65	3.37	4.20	4.96	5.49	5.74	5.63	5.19	4.14	2.50	2.81	3.15	2.16	2.32	2.13				
80	0.09	0.14	0.20	0.24	0.28	0.31	0.33	0.54	0.92	0.75	0.56	0.42	0.46	0.40	0.41				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10	0.13	0.11	0.10				
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:2015-03-14

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: 90度