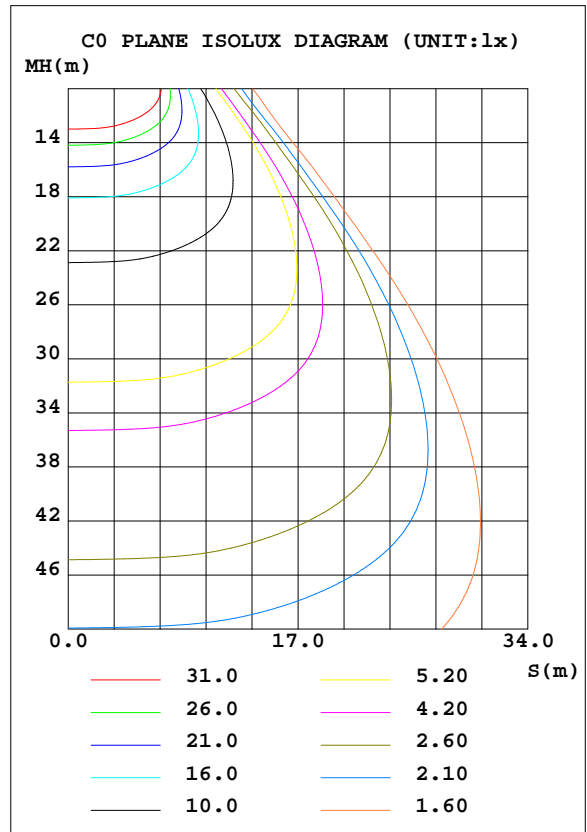
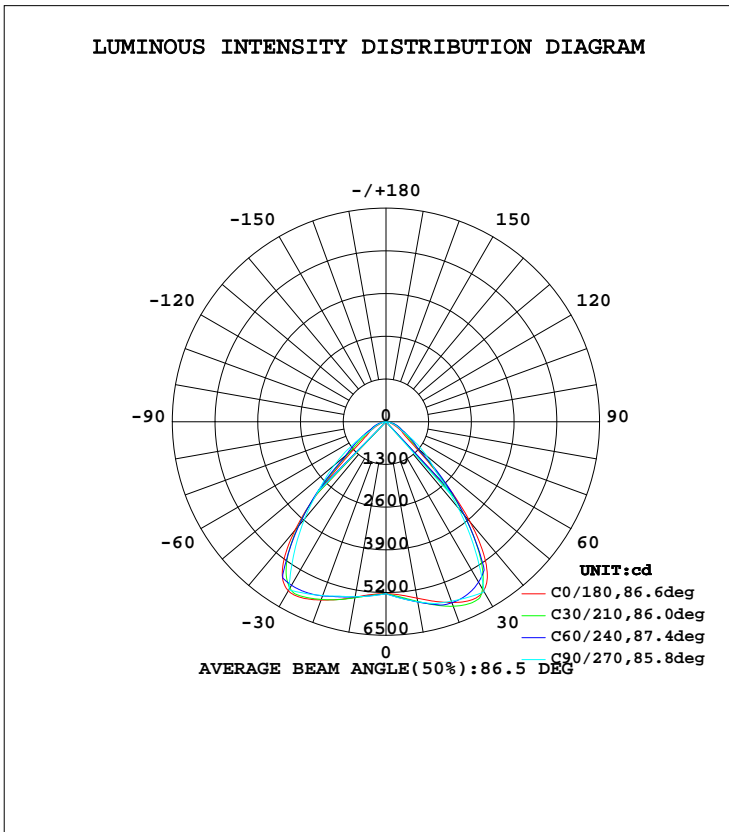


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.25 lm/W			
MODEL	QH-HBUFO-100W	I <sub>max</sub> (cd)	6118	S/MH(C0/180)	1.31
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	11432	η UP, DN(C0-180)	0.0, 50.8
NOMINAL FLUX(lm)	11432.3	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	225.5	η down(%)	100.0	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	5280	5312	5320	5330	5295	5380	5398	5370	0- 5	126.7	126.7	1.11,1.11
10	5421	5426	5406	5478	5451	5567	5563	5544	5- 10	387.8	514.5	4.5,4.5
15	5600	5563	5493	5650	5654	5776	5728	5738	10- 15	661.9	1176	10.3,10.3
20	5774	5699	5631	5807	5853	5984	5812	5922	15- 20	946.0	2122	18.6,18.6
25	5926	5759	5768	5807	6006	5909	5896	5856	20- 25	1227	3350	29.3,29.3
30	5942	5651	5906	5600	5943	5551	5980	5529	25- 30	1480	4830	42.2,42.2
35	5500	5281	4878	5112	5324	4871	4699	4901	30- 35	1617	6447	56.4,56.4
40	4313	4455	3850	4208	3989	3810	3418	3900	35- 40	1508	7955	69.6,69.6
45	2534	3005	2822	2827	2228	2507	2136	2596	40- 45	1184	9139	79.9,79.9
50	1150	1749	2057	1662	1058	1475	1612	1537	45- 50	785.7	9924	86.8,86.8
55	699.1	839.8	1293	832.7	666.1	781.4	1087	801.2	50- 55	509.7	10434	91.3,91.3
60	520.6	653.9	527.9	651.3	512.1	640.0	562.3	648.7	55- 60	348.8	10783	94.3,94.3
65	341.0	512.5	403.2	514.8	336.5	525.8	429.7	527.4	60- 65	248.1	11031	96.5,96.5
70	205.4	367.7	278.6	378.1	210.3	391.7	297.2	390.4	65- 70	190.4	11221	98.2,98.2
75	116.7	209.5	153.9	229.2	143.6	233.6	164.6	227.1	70- 75	132.7	11354	99.3,99.3
80	41.49	66.22	0	87.08	68.17	85.60	0	75.87	75- 80	68.22	11422	99.9,99.9
85	1.736	0	0	0	3.835	0	0	0	80- 85	9.861	11432	100,100
90	1.203	0	0	0	1.365	0	0	0	85- 90	0.2718	11432	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			

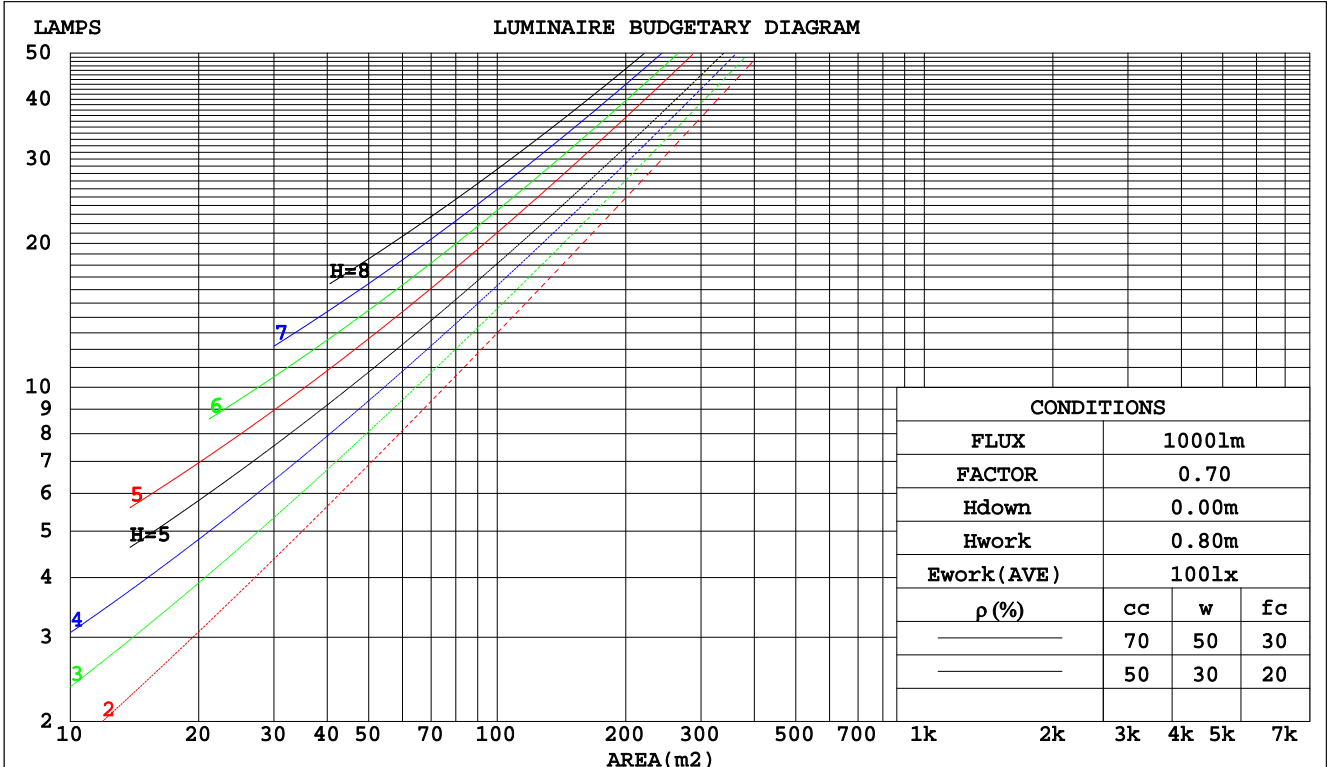
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.90	.97	.98	.96	.94	.95	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.89	.86	.83	.87	.84	.82	.80
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.82	.77	.74	.79	.76	.73	.71
4.0	.80	.73	.68	.79	.73	.67	.77	.71	.67	.75	.70	.66	.73	.68	.65	.63
5.0	.73	.66	.60	.72	.65	.60	.70	.64	.59	.68	.63	.59	.67	.62	.58	.56
6.0	.67	.59	.54	.66	.59	.54	.64	.58	.53	.63	.57	.53	.61	.56	.53	.51
7.0	.62	.54	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.57	.52	.48	.46
8.0	.57	.49	.44	.56	.49	.44	.55	.48	.44	.54	.48	.44	.53	.47	.43	.42
9.0	.52	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.44	.40	.38
10.0	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.37	.46	.40	.36	.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: QC  
 Test Date: 2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 7.165m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	.227	.129	.041	.221	.126	.040	.208	.119	.038	.196	.113	.036	.185	.107	.035	
2.0	.222	.121	.037	.216	.119	.037	.205	.114	.035	.194	.109	.034	.185	.105	.033	
3.0	.211	.112	.034	.206	.110	.033	.197	.107	.032	.188	.103	.032	.179	.099	.031	
4.0	.200	.104	.031	.196	.103	.030	.187	.099	.030	.180	.096	.029	.172	.094	.029	
5.0	.190	.097	.028	.186	.095	.028	.178	.093	.027	.171	.090	.027	.165	.088	.026	
6.0	.180	.090	.026	.176	.089	.026	.169	.087	.025	.163	.085	.025	.157	.083	.025	
7.0	.170	.084	.024	.167	.083	.024	.161	.081	.023	.155	.080	.023	.150	.078	.023	
8.0	.161	.079	.022	.159	.078	.022	.153	.077	.022	.148	.075	.022	.144	.074	.021	
9.0	.153	.074	.021	.151	.074	.021	.146	.072	.020	.141	.071	.020	.137	.070	.020	
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019	

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	.175	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.107	.140	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.145	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.046	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.131	.080	.044	.112	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.125	.073	.037	.107	.063	.032	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.119	.067	.032	.102	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.062	.028	.098	.054	.024	.068	.038	.017	.040	.022	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.050	.021	.065	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

Uncorrected UGR Table

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm										
NAME:UFO 100W LED HIGH BAY LIGHT					TYPE:IP65			WEIGHT:		
DIM.:					SPEC.:PHILIPS 3030			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	26.4	27.7	26.7	27.8	28.0	27.2	28.4	27.4	28.6	28.8
3H	26.5	27.6	26.8	27.8	28.1	27.3	28.5	27.6	28.7	28.9
4H	26.5	27.5	26.8	27.8	28.0	27.3	28.4	27.6	28.6	28.9
6H	26.4	27.4	26.7	27.7	27.9	27.3	28.3	27.6	28.5	28.8
8H	26.3	27.3	26.7	27.6	27.9	27.2	28.2	27.5	28.4	28.7
12H	26.3	27.2	26.6	27.5	27.8	27.2	28.1	27.5	28.4	28.7
4H 2H	26.5	27.5	26.7	27.8	28.0	27.2	28.2	27.5	28.5	28.7
3H	26.7	27.6	27.0	27.9	28.2	27.5	28.4	27.8	28.7	29.0
4H	26.7	27.6	27.1	27.9	28.2	27.6	28.4	27.9	28.7	29.0
6H	26.7	27.4	27.1	27.8	28.1	27.5	28.3	27.9	28.6	29.0
8H	26.7	27.3	27.1	27.7	28.1	27.5	28.2	27.9	28.5	28.9
12H	26.6	27.2	27.0	27.6	28.0	27.4	28.1	27.9	28.4	28.8
8H 4H	26.8	27.4	27.2	27.8	28.2	27.6	28.3	28.0	28.6	29.0
6H	26.8	27.3	27.2	27.7	28.1	27.5	28.1	28.0	28.5	28.9
8H	26.7	27.2	27.2	27.6	28.1	27.5	28.0	28.0	28.4	28.9
12H	26.7	27.1	27.2	27.5	28.0	27.5	27.9	27.9	28.3	28.8
12H 4H	26.7	27.3	27.1	27.7	28.1	27.5	28.2	27.9	28.5	28.9
6H	26.7	27.2	27.2	27.6	28.1	27.5	28.0	28.0	28.4	28.9
8H	26.7	27.1	27.2	27.5	28.0	27.5	27.9	27.9	28.3	28.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 3.1					+ 1.3 / - 1.7				
1.5H	+ 2.4 / - 2.9					+ 1.3 / - 1.8				
2.0H	+ 3.5 / - 2.0					+ 2.9 / - 3.0				

CIE Pub.117 Corrected 11432 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.5)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

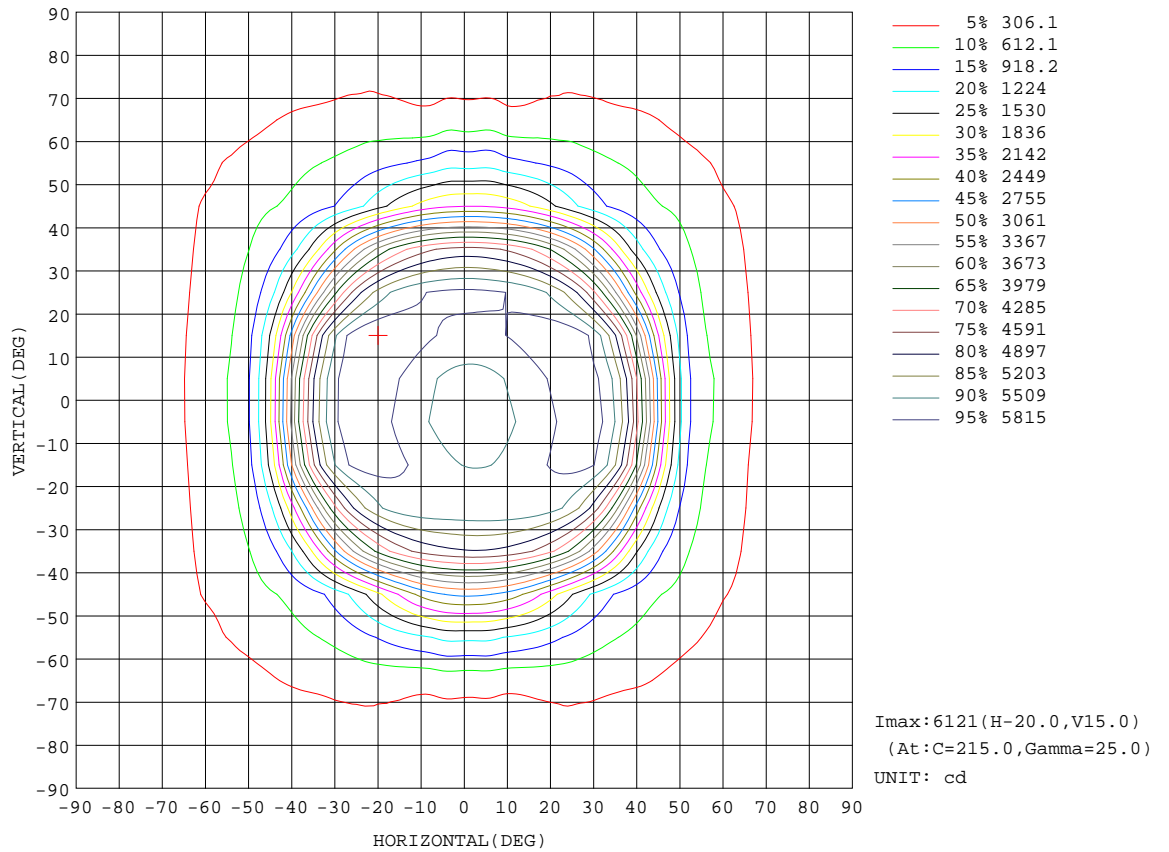
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	63	58	72	63	58	71	63	58	53
0.80	82	73	68	81	73	68	79	72	67	62
1.00	89	81	76	88	80	75	86	81	75	69
1.25	95	87	82	93	87	82	91	85	81	76
1.50	99	92	87	97	91	86	95	89	85	80
2.00	103	97	93	102	96	92	99	94	91	84
2.50	106	100	96	104	99	95	101	97	93	87
3.00	108	103	100	106	102	99	103	99	96	89
4.00	111	107	104	109	105	102	105	102	100	92
5.00	112	109	106	110	107	105	106	104	102	94
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:20DEG  
 Operators:QC  
 Test Date:2016-06-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

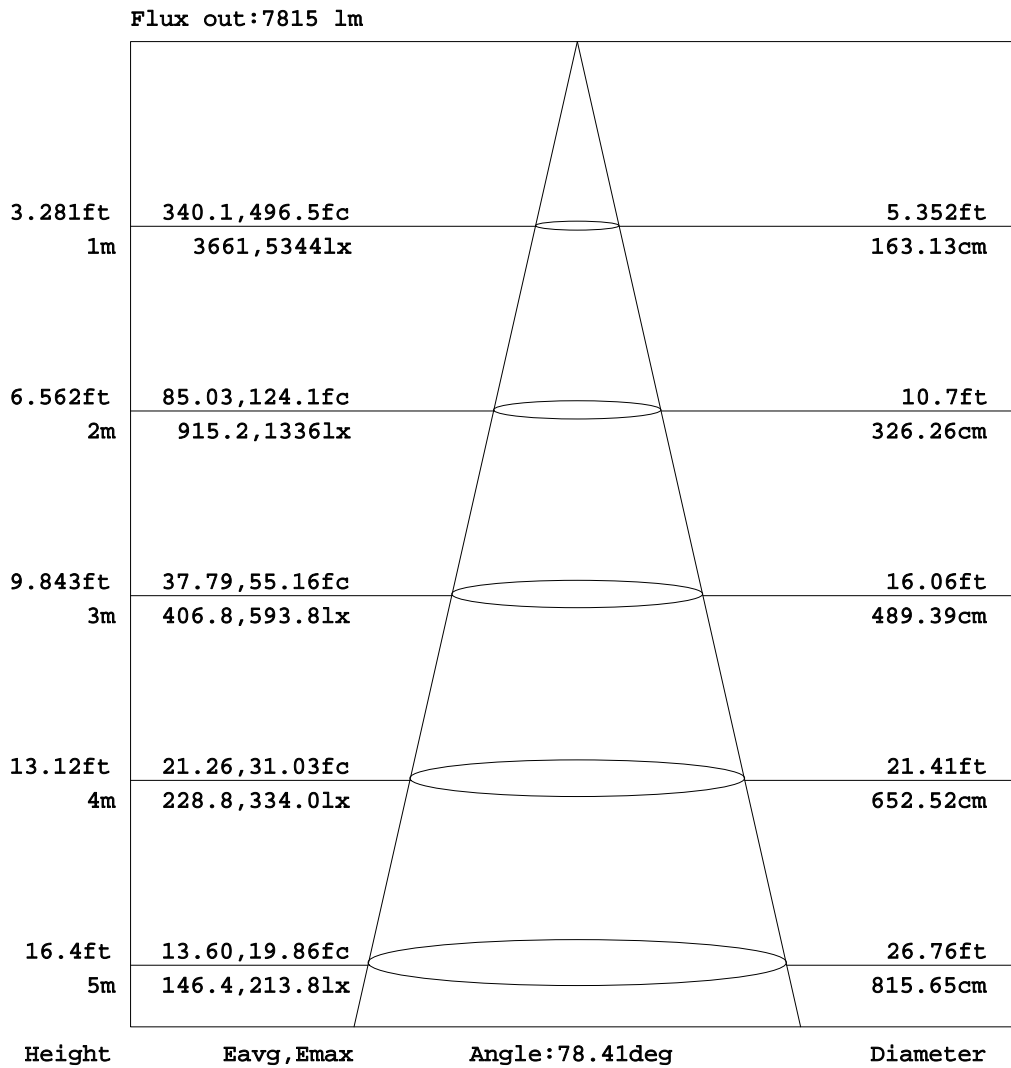


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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.

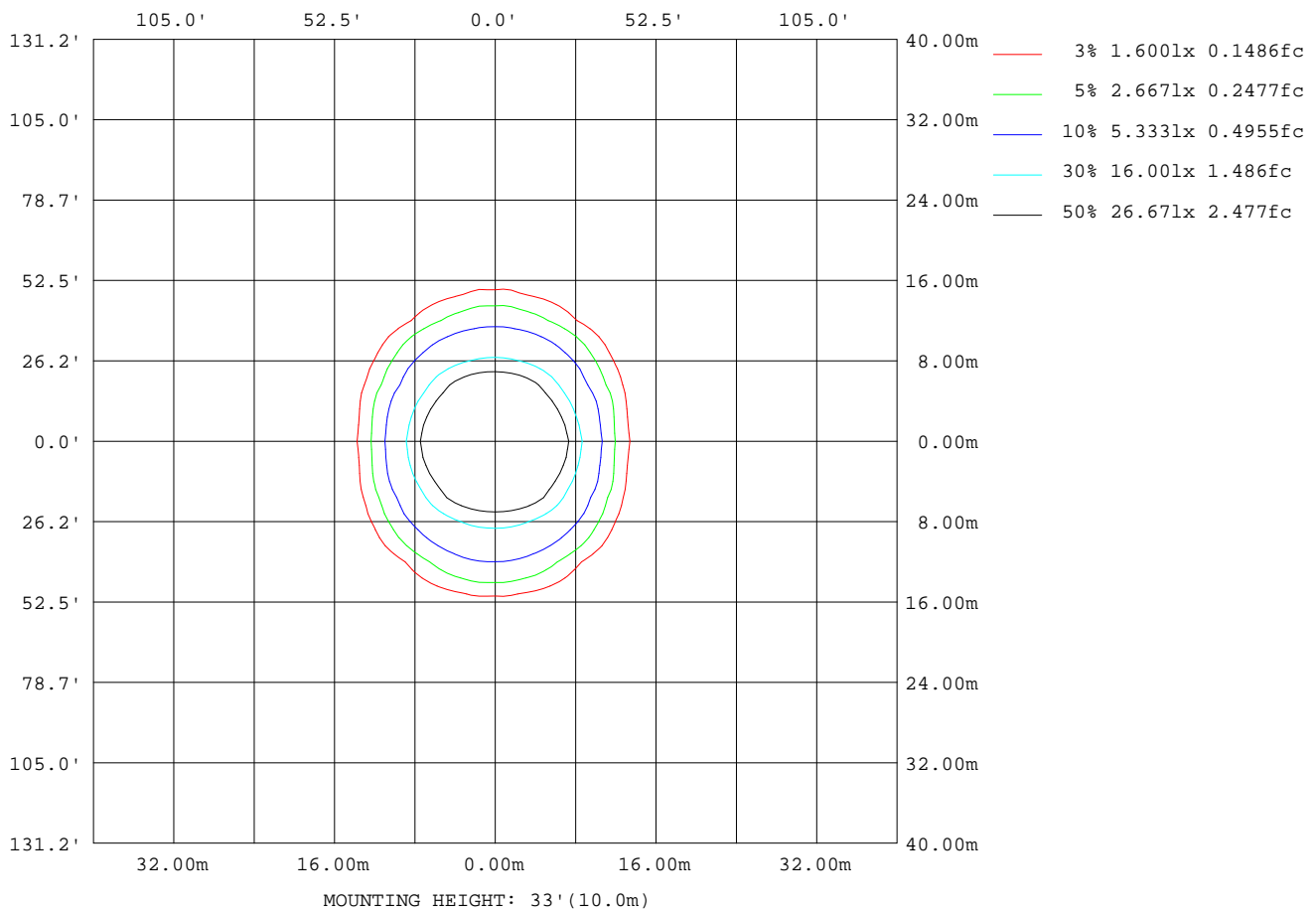
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

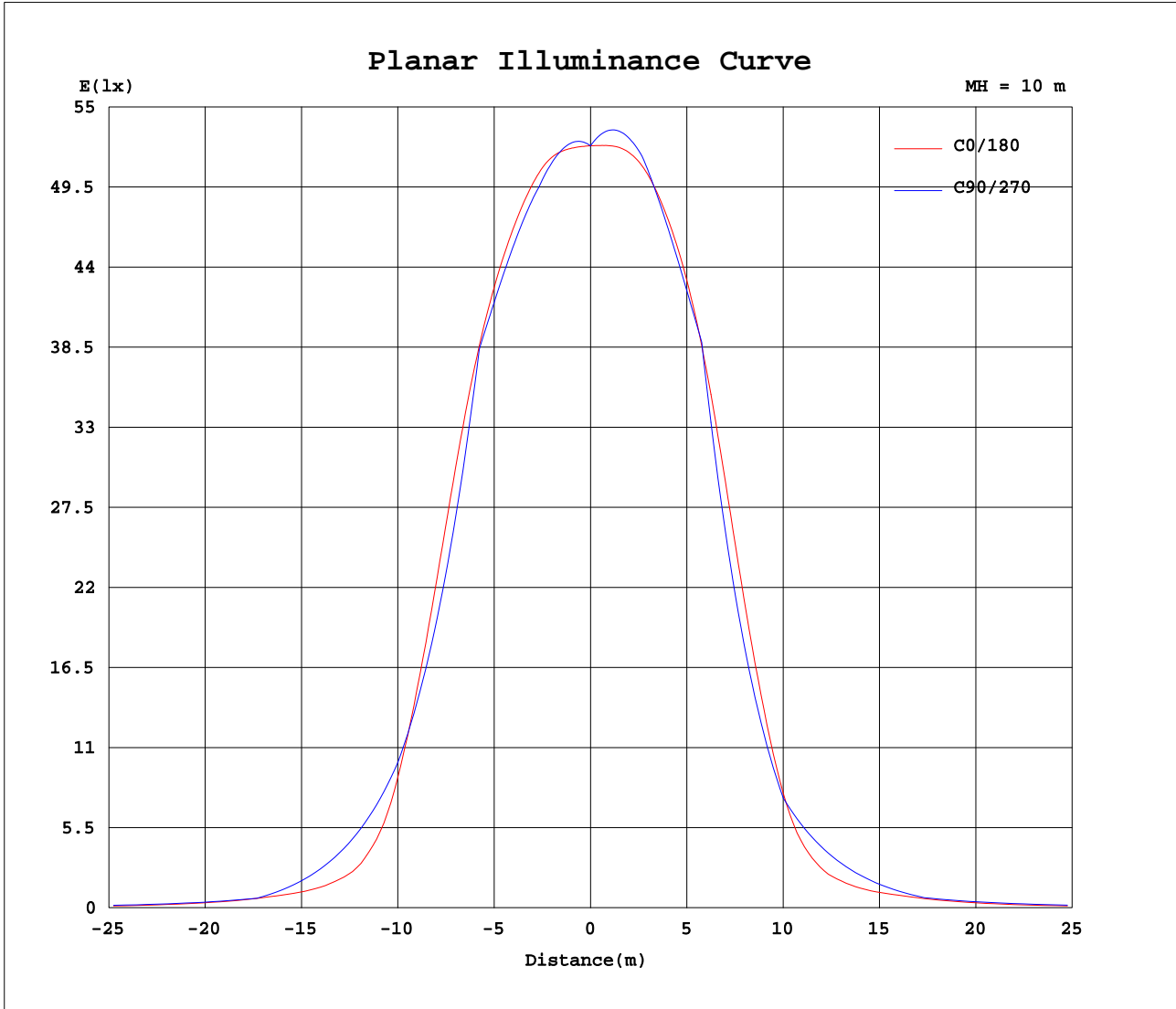
Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 20DEG  
 Operators: QC  
 Test Date: 2016-06-16

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity: 65.0%  
 Test Distance: 7.165m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233
5	5280	5286	5291	5296	5300	5304	5306	5308	5310	5312	5312	5313	5314	5315	5316	5317	5318	5319	5320
10	5421	5430	5436	5441	5442	5442	5440	5436	5431	5426	5421	5415	5410	5406	5403	5402	5402	5403	5406
15	5600	5610	5616	5618	5616	5611	5603	5592	5578	5563	5546	5530	5515	5503	5493	5487	5485	5487	5493
20	5774	5781	5784	5782	5777	5768	5755	5739	5720	5699	5674	5654	5639	5631	5627	5625	5626	5628	5631
25	5926	5925	5920	5914	5905	5895	5882	5864	5800	5759	5738	5731	5732	5739	5750	5761	5769	5772	5768
30	5942	5910	5890	5887	5897	5912	5846	5731	5668	5651	5666	5700	5746	5793	5840	5879	5906	5916	5906
35	5500	5410	5377	5404	5480	5432	5283	5209	5212	5281	5393	5526	5377	5223	5100	5009	4944	4902	4878
40	4313	4176	4155	4244	4333	4217	4161	4191	4318	4455	4371	4250	4124	4023	3954	3910	3879	3860	3850
45	2534	2436	2473	2629	2676	2684	2697	2801	2953	3005	2964	2882	2805	2758	2760	2781	2802	2814	2822
50	1150	1141	1194	1303	1378	1434	1468	1624	1745	1749	1659	1532	1599	1759	1886	1972	2023	2058	2057
55	699	676	685	725	782	830	893	949	941	840	917	1016	1120	1204	1254	1274	1280	1311	1293
60	521	501	506	520	549	582	618	611	623	654	683	714	732	721	673	604	547	566	528
65	341	327	348	388	397	428	457	465	483	512	510	487	474	463	434	402	383	419	403
70	205	193	207	249	289	293	312	322	343	368	364	357	361	360	330	294	268	284	279
75	117	108	109	131	161	186	195	190	198	210	213	219	242	251	225	185	153	149	154
80	41.5	35.1	30.5	33.5	52.3	76.4	76.9	69.5	66.8	66.2	63.1	60.6	57.8	44.0	26.1	12.2	4.48	1.10	0.00
85	1.74	2.33	3.48	5.15	3.70	2.64	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	1.20	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:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233
5	5322	5323	5325	5326	5327	5329	5329	5330	5330	5330	5328	5327	5324	5320	5315	5309	5303	5295	5308
10	5412	5418	5426	5435	5444	5453	5463	5471	5478	5485	5489	5491	5491	5488	5483	5475	5464	5451	5475
15	5504	5518	5535	5554	5576	5596	5616	5634	5650	5663	5673	5680	5684	5686	5684	5678	5668	5654	5684
20	5635	5642	5652	5668	5688	5713	5743	5778	5807	5822	5834	5845	5853	5859	5863	5863	5861	5853	5882
25	5760	5751	5746	5743	5743	5746	5754	5773	5807	5862	5941	5946	5951	5957	5967	5978	5992	6006	6009
30	5879	5845	5809	5771	5728	5684	5643	5612	5600	5622	5691	5812	5874	5852	5845	5854	5888	5943	5885
35	4875	4898	4948	5025	5127	5256	5368	5226	5112	5046	5048	5120	5262	5300	5221	5191	5225	5324	5190
40	3848	3856	3873	3901	3942	4016	4101	4174	4208	4069	3955	3934	3982	4080	3980	3876	3876	3989	3819
45	2820	2804	2770	2723	2703	2728	2776	2824	2827	2746	2579	2507	2502	2485	2423	2236	2171	2228	2140
50	2064	2031	1967	1859	1726	1567	1496	1598	1662	1633	1519	1375	1342	1284	1214	1107	1050	1058	1049
55	1318	1291	1271	1240	1186	1104	1002	910	833	911	911	862	795	745	696	663	649	666	652
60	575	559	606	674	719	728	709	681	651	619	605	608	569	531	507	509	502	512	513
65	426	390	405	437	466	477	489	515	515	489	471	464	435	397	390	356	332	337	339
70	288	271	296	334	362	366	365	375	378	360	343	338	316	315	265	219	207	210	211
75	150	154	187	230	255	251	234	230	229	220	219	237	235	204	172	139	139	144	138
80	1.11	4.51	12.3	26.6	45.2	61.8	68.9	76.2	87.1	93.6	98.6	107	112	93.2	71.0	68.8	65.3	68.2	64.9
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	7.56	8.02	12.4	8.15	4.93	3.84	6.19
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	1.36	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233
5	5321	5333	5343	5353	5361	5368	5375	5380	5385	5389	5392	5395	5397	5398	5398	5399	5398	5398	5396
10	5496	5514	5529	5541	5552	5559	5564	5567	5569	5570	5569	5569	5568	5567	5566	5564	5563	5562	5561
15	5711	5732	5750	5763	5771	5776	5778	5776	5772	5765	5757	5750	5743	5738	5734	5730	5728	5727	5726
20	5907	5928	5947	5962	5973	5982	5985	5984	5947	5897	5862	5838	5824	5817	5815	5814	5812	5808	5804
25	6015	6026	6042	6066	6092	6118	5998	5909	5853	5824	5815	5823	5839	5860	5880	5894	5896	5886	5865
30	5852	5851	5877	5933	5872	5709	5602	5551	5544	5575	5635	5710	5792	5866	5929	5969	5980	5959	5912
35	5128	5139	5217	5169	4989	4876	4837	4871	4971	5118	5049	4952	4866	4796	4743	4710	4699	4706	4736
40	3764	3818	3887	3767	3677	3641	3692	3810	3825	3784	3709	3625	3555	3499	3454	3425	3418	3428	3461
45	2163	2285	2315	2304	2261	2242	2405	2507	2523	2472	2391	2305	2238	2197	2164	2140	2136	2152	2188
50	1102	1191	1235	1258	1243	1353	1447	1475	1409	1272	1279	1383	1464	1526	1574	1619	1612	1628	1597
55	669	702	742	779	824	860	855	781	830	886	951	998	1023	1032	1051	1118	1087	1123	1068
60	533	519	537	579	613	607	614	640	659	672	679	665	619	560	532	617	562	618	538
65	364	390	408	448	484	482	495	526	529	505	487	474	436	399	385	459	430	461	385
70	224	268	321	329	349	354	371	392	389	376	376	373	340	299	275	310	297	311	273
75	138	168	201	232	245	224	225	234	235	238	258	264	241	199	166	161	165	160	163
80	64.7	66.2	88.5	105	106	98.2	93.0	85.6	75.6	68.6	62.7	46.8	28.2	13.2	4.88	1.19	0.00	1.18	4.78
85	8.12	11.8	7.88	5.94	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:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.4V I:0.4425A P:98.34W PF:0.9859 Lamp Flux:11432.3x1 lm		
NAME:UFO 100W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233	5233				
5	5394	5392	5388	5385	5380	5375	5370	5363	5356	5348	5339	5329	5318	5306	5293				
10	5559	5558	5556	5554	5552	5549	5544	5539	5532	5523	5512	5499	5484	5465	5444				
15	5726	5728	5730	5733	5736	5737	5738	5735	5731	5723	5712	5697	5678	5656	5630				
20	5801	5803	5812	5829	5856	5895	5922	5919	5913	5903	5889	5872	5852	5830	5804				
25	5841	5818	5799	5788	5789	5810	5856	5935	6044	6017	5990	5967	5950	5939	5933				
30	5848	5778	5703	5628	5565	5529	5529	5574	5672	5825	5884	5839	5822	5836	5879				
35	4793	4873	4968	5070	5144	5000	4901	4868	4902	5010	5184	5249	5210	5240	5339				
40	3516	3584	3663	3750	3833	3889	3900	3792	3735	3771	3866	4009	3988	3989	4095				
45	2234	2288	2361	2449	2532	2593	2596	2516	2363	2371	2426	2454	2445	2378	2398				
50	1559	1510	1439	1338	1326	1462	1537	1514	1424	1311	1330	1322	1274	1188	1139				
55	1050	1050	1029	985	918	856	801	881	890	855	811	780	727	690	678				
60	560	623	670	693	685	669	649	622	613	627	594	556	532	535	519				
65	395	431	468	485	505	529	527	498	484	484	456	414	402	371	342				
70	294	336	368	371	372	386	390	367	346	342	317	309	262	215	198				
75	194	239	261	252	230	229	227	215	209	223	209	178	145	115	112				
80	12.9	27.8	46.2	60.8	64.8	70.7	75.9	74.6	77.6	84.3	86.3	64.5	42.8	39.2	40.4				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	3.14	5.88	3.54	2.63				
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:20DEG  
 Operators:QC  
 Test Date:2016-06-16

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:7.165m [K=1.0000]  
 Remarks: