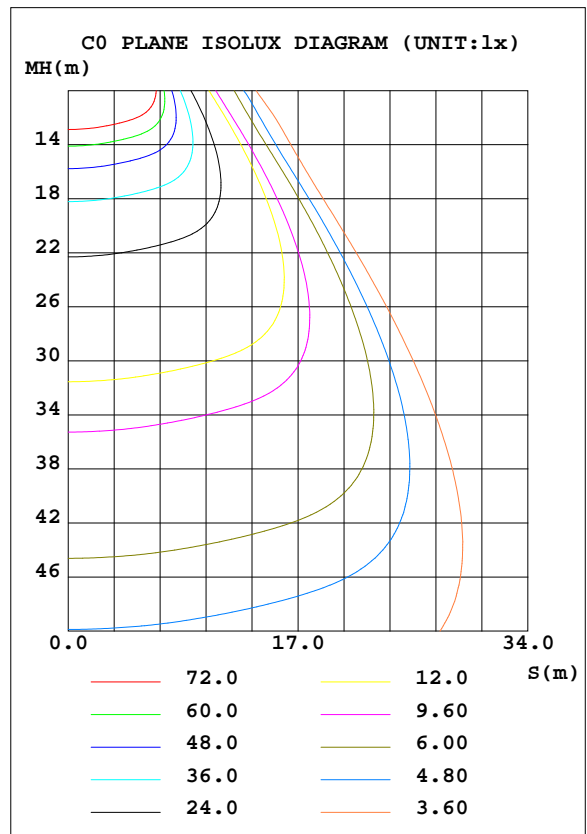
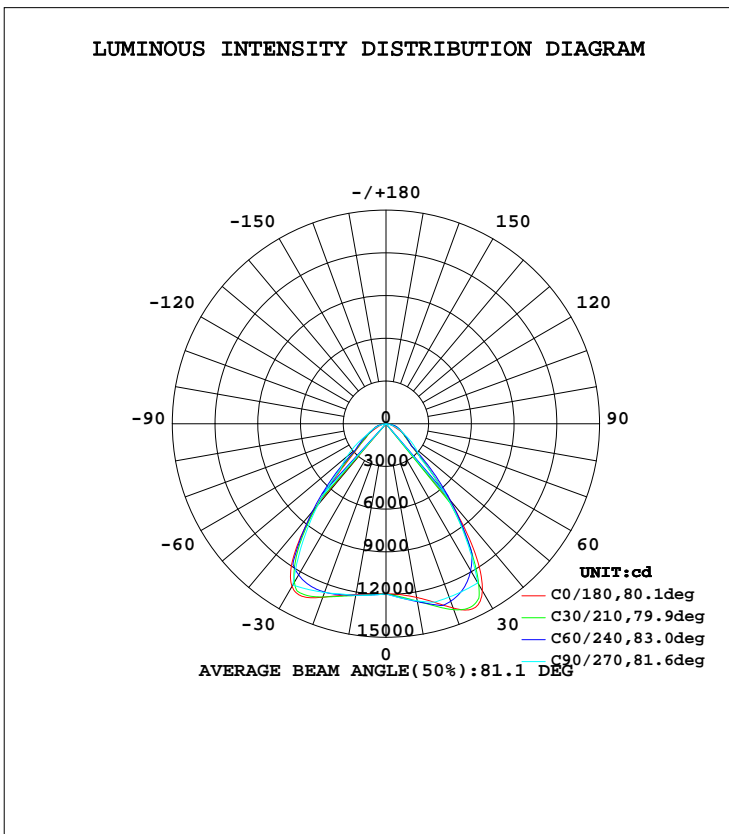


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W 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: 120.11 lm/W			
MODEL	QH-HBUFO-200W	Imax(cd)	14352	S/MH(C0/180)	1.23
NOMINAL POWER(W)	202	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	24004	η UP, DN(C0-180)	0.0, 50.8
NOMINAL FLUX(lm)	24004.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	225.3	η down(%)	100.0	CIBSE SHR MAX	1.15



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	1200	1206	1208	1211	1205	1225	1229	1221	0- 5	288.5	288.5	1.2,1.2
10	1217	1225	1223	1240	1239	1269	1263	1254	5- 10	879.5	1168	4.87,4.87
15	1249	1249	1237	1283	1297	1323	1298	1293	10- 15	1498	2666	11.1,11.1
20	1296	1280	1261	1337	1377	1384	1296	1336	15- 20	2145	4810	20,20
25	1343	1274	1285	1323	1435	1337	1293	1299	20- 25	2780	7590	31.6,31.6
30	1320	1204	1308	1213	1354	1189	1290	1178	25- 30	3290	10880	45.3,45.3
35	1128	1052	1025	1006	1070	946.8	973.6	968.6	30- 35	3409	14290	59.5,59.5
40	764.8	805.1	742.2	723.0	679.1	646.1	656.6	684.2	35- 40	2908	17197	71.6,71.6
45	416.6	525.7	459.1	470.2	368.4	415.7	339.7	436.6	40- 45	2070	19267	80.3,80.3
50	252.2	312.8	356.9	286.9	231.4	258.5	275.8	264.7	45- 50	1333	20600	85.8,85.8
55	173.1	172.4	254.7	168.8	171.5	162.6	211.8	159.7	50- 55	963.2	21563	89.8,89.8
60	140.2	137.9	152.5	137.7	147.2	138.6	147.8	135.4	55- 60	743.0	22306	92.9,92.9
65	84.84	112.8	115.2	115.4	92.71	121.2	112.6	117.0	60- 65	585.9	22892	95.4,95.4
70	57.16	88.92	77.94	93.30	60.98	99.99	77.36	93.74	65- 70	477.2	23369	97.4,97.4
75	39.33	59.76	40.65	65.00	41.47	68.67	42.13	61.92	70- 75	364.3	23734	98.9,98.9
80	21.40	27.56	0	32.12	26.02	33.08	0	27.91	75- 80	219.1	23953	99.8,99.8
85	0.8401	0	0	0	1.844	0	0	0	80- 85	49.87	24003	100,100
90	0.3520	0	0	0	0.3791	0	0	0	85- 90	1.511	24004	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			

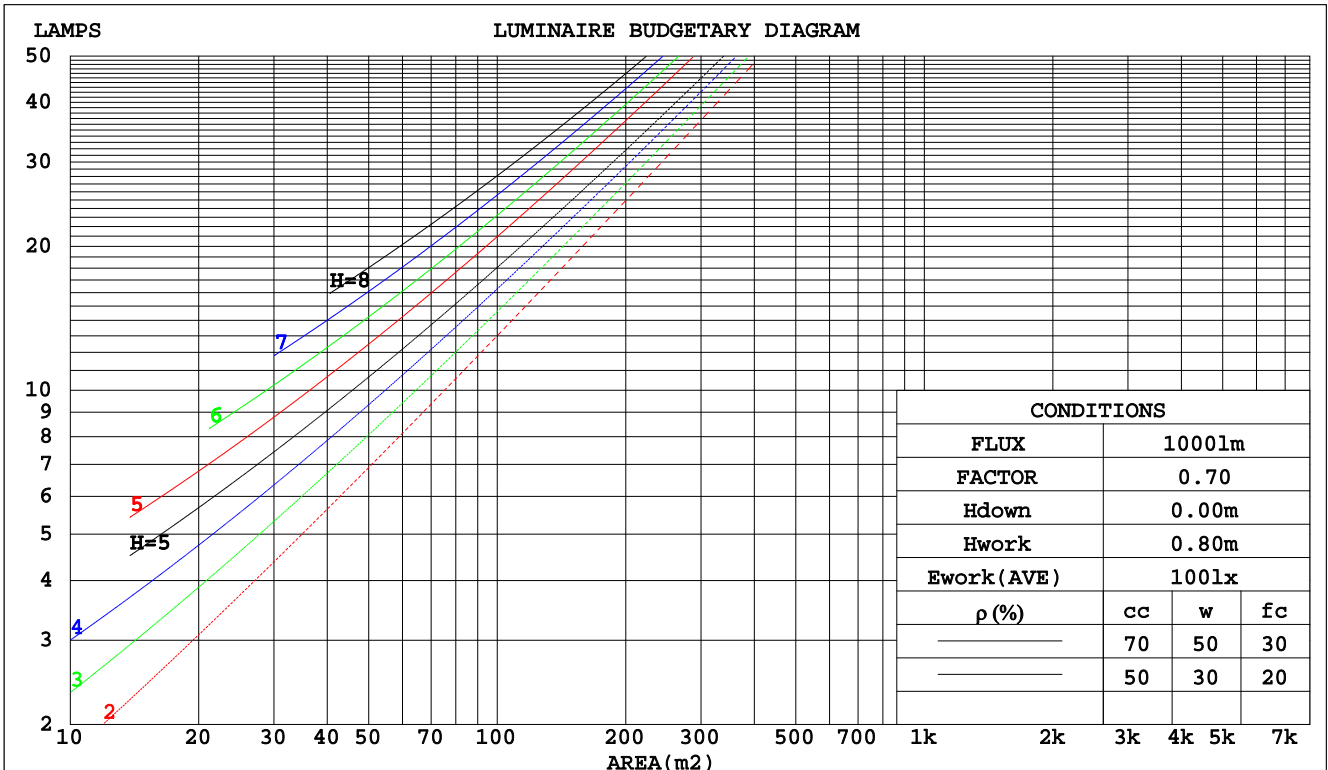
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:QC
 Test Date:2016-06-16

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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W 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	.00
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.92	.88	.96	.91	.87	.92	.89	.85	.89	.86	.83	.87	.84	.81	.80
3.0	.89	.82	.77	.87	.81	.76	.84	.79	.75	.82	.77	.74	.79	.76	.73	.71
4.0	.81	.74	.68	.79	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.63
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.55	.65	.59	.54	.64	.58	.54	.62	.57	.53	.52
7.0	.62	.55	.50	.62	.54	.49	.60	.54	.49	.59	.53	.49	.58	.52	.49	.47
8.0	.58	.50	.45	.57	.50	.45	.56	.49	.45	.55	.49	.45	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.41	.50	.45	.41	.39
10.0	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.47	.41	.37	.36



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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W 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	.230	.131	.041	.223	.127	.040	.210	.121	.039	.198	.114	.037	.187	.109	.035	
2.0	.222	.122	.037	.216	.119	.037	.205	.114	.035	.195	.110	.034	.186	.105	.033	
3.0	.211	.112	.034	.206	.110	.033	.196	.106	.032	.187	.103	.031	.179	.099	.031	
4.0	.199	.104	.030	.195	.102	.030	.186	.099	.030	.179	.096	.029	.171	.093	.028	
5.0	.188	.096	.028	.184	.095	.028	.177	.092	.027	.170	.090	.027	.163	.087	.026	
6.0	.178	.089	.026	.174	.088	.025	.168	.086	.025	.161	.084	.025	.156	.082	.024	
7.0	.168	.083	.024	.165	.082	.023	.159	.080	.023	.154	.079	.023	.148	.077	.023	
8.0	.159	.078	.022	.157	.077	.022	.151	.076	.022	.146	.074	.021	.142	.073	.021	
9.0	.151	.073	.020	.149	.073	.020	.144	.071	.020	.140	.070	.020	.135	.069	.020	
10.0	.144	.069	.019	.142	.068	.019	.137	.067	.019	.133	.066	.019	.130	.065	.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	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.106	.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	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.067	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.025	.093	.050	.021	.065	.035	.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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm										
NAME:UFO 200W 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	28.5	29.7	28.7	29.9	30.1	29.1	30.4	29.4	30.5	30.7
3H	28.8	30.0	29.1	30.2	30.4	29.5	30.6	29.8	30.8	31.1
4H	29.0	30.0	29.3	30.3	30.5	29.6	30.7	29.9	30.9	31.1
6H	29.0	30.0	29.3	30.3	30.5	29.5	30.5	29.9	30.8	31.1
8H	29.0	30.0	29.3	30.2	30.5	29.5	30.5	29.8	30.7	31.0
12H	29.0	29.9	29.3	30.2	30.5	29.4	30.4	29.8	30.7	30.9
4H 2H	28.6	29.7	28.9	29.9	30.2	29.2	30.2	29.5	30.5	30.7
3H	29.2	30.2	29.6	30.4	30.7	29.8	30.7	30.1	31.0	31.3
4H	29.5	30.4	29.9	30.7	31.0	30.0	30.9	30.4	31.2	31.5
6H	29.7	30.4	30.1	30.8	31.1	30.0	30.8	30.4	31.1	31.5
8H	29.7	30.4	30.1	30.7	31.1	30.0	30.7	30.4	31.0	31.4
12H	29.7	30.3	30.1	30.7	31.1	29.9	30.6	30.3	30.9	31.3
8H 4H	29.7	30.4	30.1	30.7	31.1	30.1	30.8	30.6	31.2	31.6
6H	30.0	30.5	30.4	30.9	31.3	30.2	30.7	30.6	31.1	31.6
8H	30.0	30.5	30.5	30.9	31.4	30.1	30.6	30.6	31.0	31.5
12H	30.0	30.4	30.5	30.8	31.3	30.1	30.5	30.6	31.0	31.4
12H 4H	29.6	30.3	30.1	30.6	31.0	30.1	30.8	30.5	31.1	31.5
6H	29.9	30.4	30.4	30.8	31.3	30.2	30.7	30.6	31.1	31.5
8H	30.0	30.4	30.5	30.9	31.3	30.1	30.5	30.6	31.0	31.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.6					+ 1.0 / - 1.3				
1.5H	+ 2.1 / - 1.3					+ 1.6 / - 1.3				
2.0H	+ 1.7 / - 0.7					+ 1.8 / - 1.3				

CIE Pub.117 Corrected 24004 lm Total Lamp Luminous Flux. (8log(F/F0) = 11.0)

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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

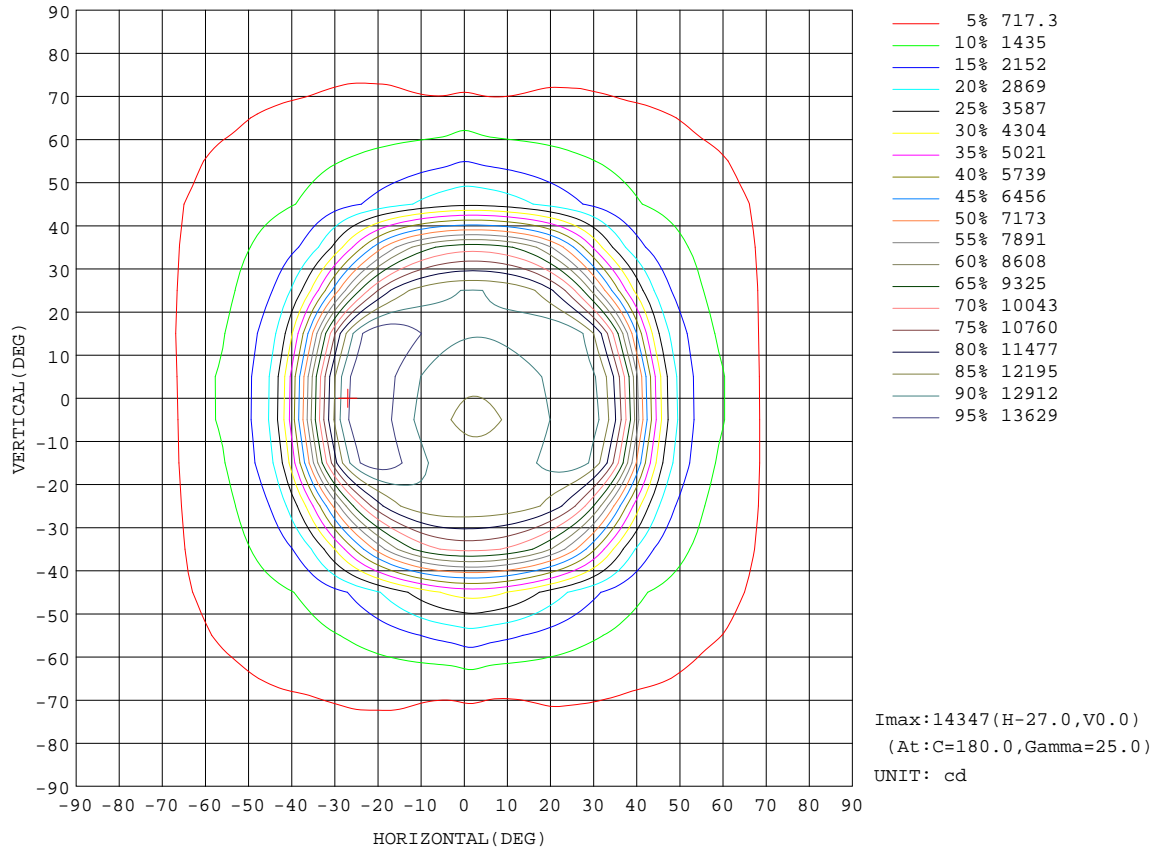
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	65	60	73	65	60	72	64	60	55
0.80	83	74	69	82	74	69	81	73	69	64
1.00	89	82	76	88	81	76	87	82	76	70
1.25	95	88	83	94	87	82	92	86	81	76
1.50	99	92	87	97	91	87	95	90	86	80
2.00	103	97	93	102	96	92	99	94	91	84
2.50	106	101	96	104	99	95	101	97	94	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	113	109	107	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

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:

ISOCANDELA DIAGRAM

Test:U:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

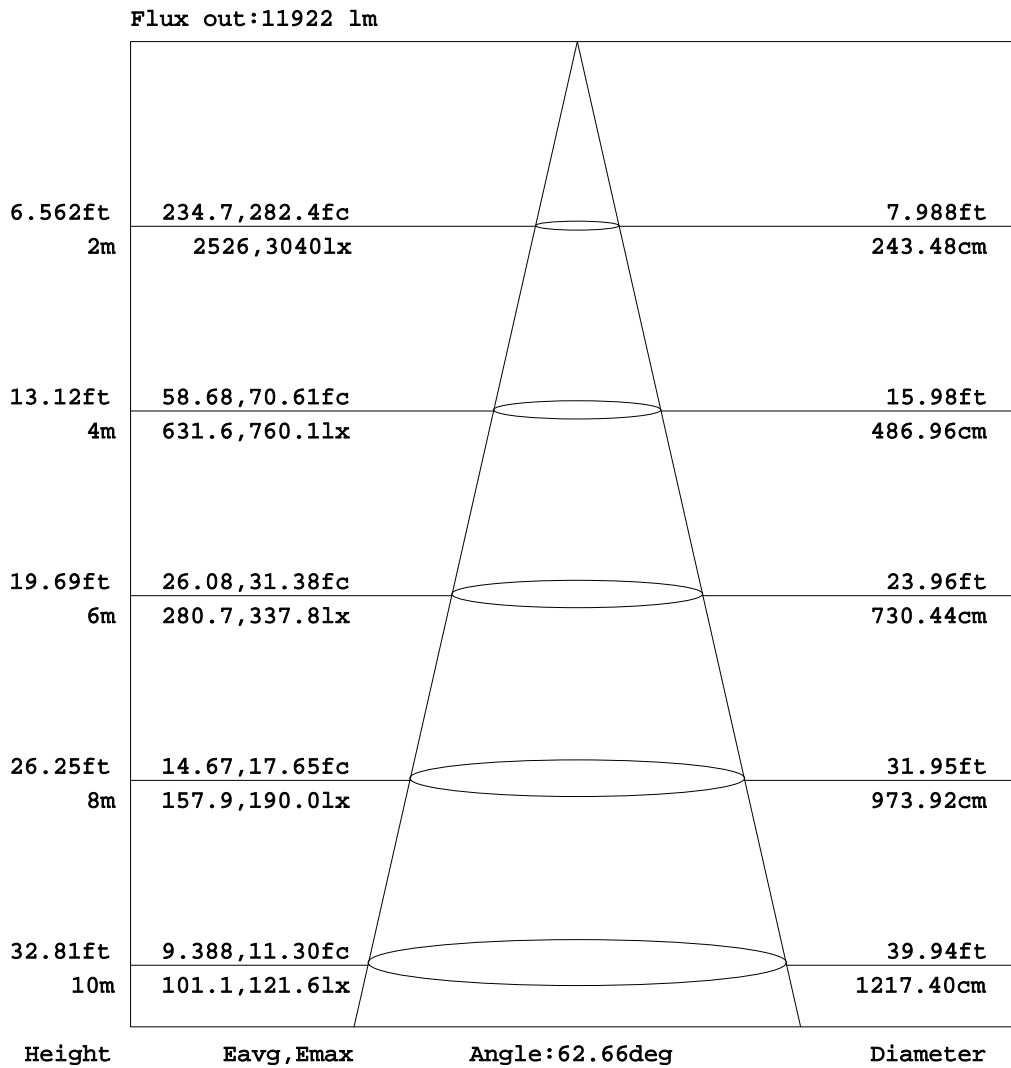


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:QC
 Test Date:2016-06-16

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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



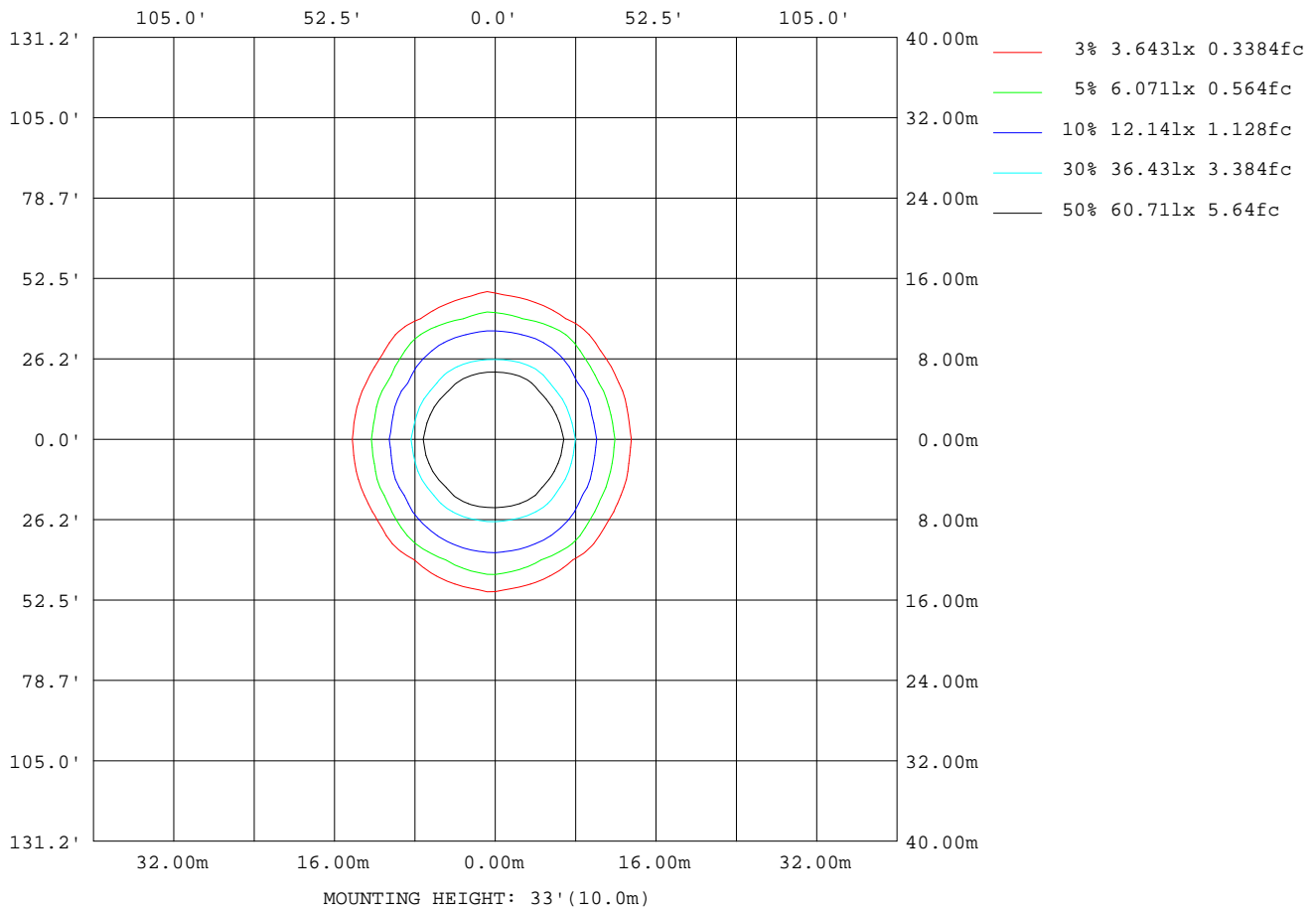
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

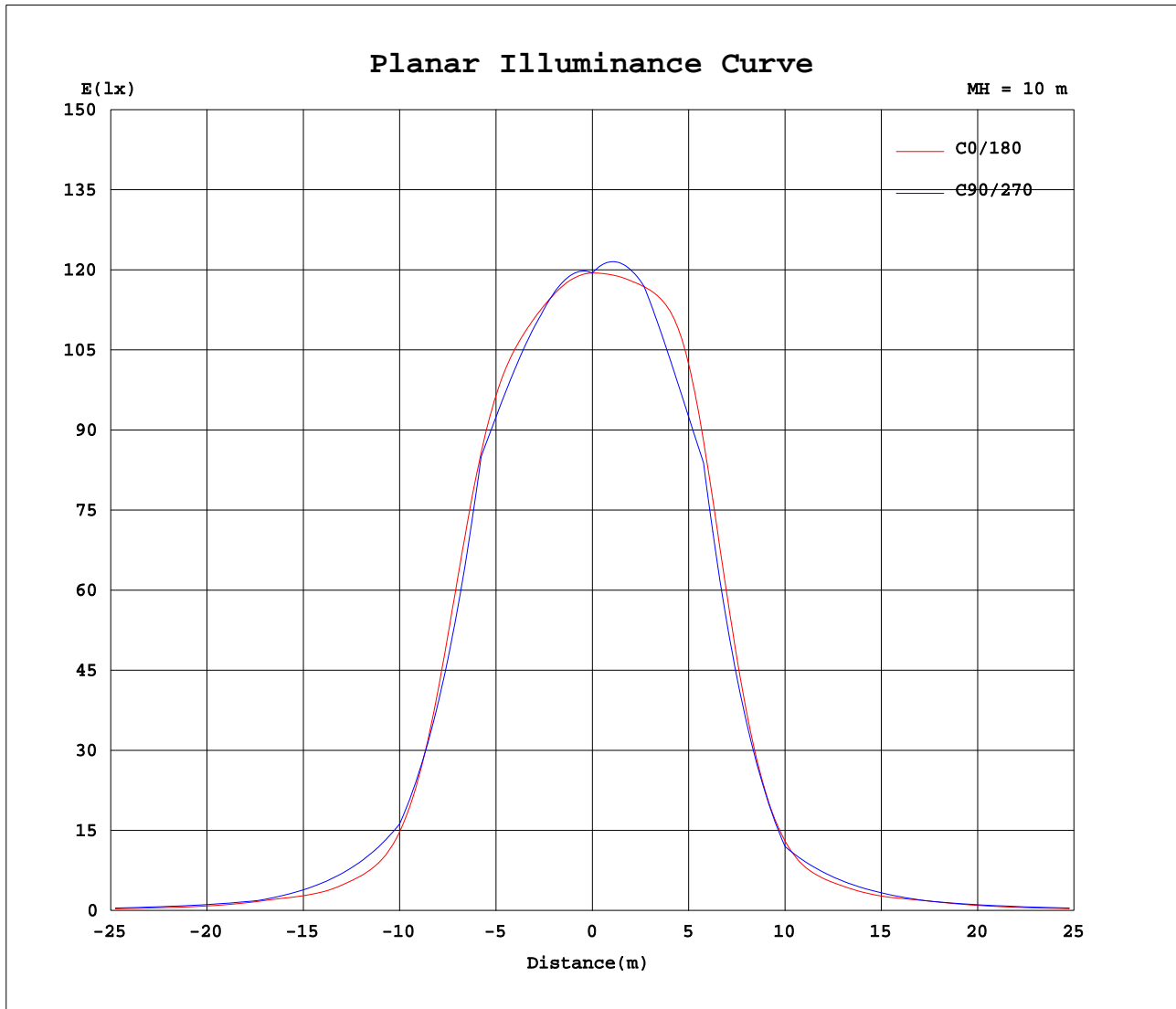
Test:U:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



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

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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194
5	1200	1201	1202	1203	1204	1204	1205	1205	1206	1206	1207	1207	1207	1208	1208	1208	1208	1208	1208
10	1217	1219	1221	1223	1224	1225	1225	1225	1225	1225	1224	1224	1223	1222	1222	1222	1222	1222	1223
15	1249	1252	1254	1255	1256	1256	1255	1253	1251	1249	1247	1244	1242	1240	1238	1236	1236	1236	1237
20	1296	1299	1300	1300	1299	1297	1294	1290	1286	1280	1272	1263	1258	1256	1256	1256	1258	1259	1261
25	1343	1340	1336	1334	1332	1330	1328	1326	1296	1274	1261	1256	1256	1260	1266	1272	1278	1282	1285
30	1320	1303	1292	1290	1294	1303	1286	1246	1218	1204	1202	1211	1227	1245	1265	1282	1295	1304	1308
35	1128	1096	1084	1090	1113	1109	1075	1052	1044	1052	1076	1114	1102	1082	1062	1046	1034	1027	1025
40	765	734	730	750	777	769	763	761	774	805	820	818	804	787	771	758	749	744	742
45	417	403	406	427	441	452	454	454	493	526	539	533	515	495	479	468	463	461	459
50	252	247	250	255	257	263	262	279	299	313	307	279	276	295	313	329	341	350	357
55	173	169	172	176	178	178	182	184	182	172	186	197	207	217	225	232	237	243	255
60	140	131	128	128	130	135	135	130	133	138	143	148	149	147	143	138	134	135	153
65	84.8	86.5	90.9	98.3	102	106	106	108	111	113	111	108	106	106	104	102	100	102	115
70	57.2	58.7	66.1	73.9	78.4	82.0	83.0	86.5	90.5	88.9	85.5	84.8	84.5	83.8	82.5	77.1	71.8	71.2	77.9
75	39.3	38.6	42.4	52.4	57.4	60.4	59.5	59.2	59.9	59.8	59.2	61.3	62.4	62.2	61.4	53.1	43.8	40.3	40.7
80	21.4	20.9	22.4	26.6	32.3	32.7	31.7	31.1	30.6	27.6	23.9	20.7	16.1	11.3	7.25	3.54	1.29	0.30	0.00
85	0.84	1.32	2.75	4.45	3.34	3.58	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
90	0.35	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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	
5	1209	1209	1209	1210	1210	1210	1210	1211	1211	1211	1211	1210	1210	1209	1209	1208	1206	1205	1208	
10	1224	1225	1227	1229	1231	1233	1236	1238	1240	1242	1244	1245	1246	1246	1245	1244	1241	1239	1245	
15	1239	1242	1246	1251	1257	1264	1270	1277	1283	1289	1294	1298	1302	1304	1304	1303	1301	1297	1305	
20	1263	1265	1268	1272	1279	1288	1301	1319	1337	1347	1356	1363	1369	1373	1376	1378	1379	1377	1381	
25	1286	1285	1283	1280	1278	1278	1284	1298	1323	1358	1402	1404	1406	1408	1412	1417	1426	1435	1424	
30	1308	1301	1288	1270	1247	1225	1209	1205	1213	1237	1273	1321	1338	1323	1315	1317	1330	1354	1322	
35	1029	1036	1047	1057	1065	1070	1063	1025	1006	1006	1022	1047	1078	1073	1043	1031	1040	1070	1026	
40	743	746	752	759	765	769	765	750	723	702	701	706	710	712	682	658	656	679	643	
45	457	455	457	464	475	486	493	489	470	439	403	411	410	400	386	364	358	368	352	
50	347	336	321	303	282	262	263	283	287	274	256	242	244	239	238	233	229	231	226	
55	242	236	229	220	211	200	189	179	169	176	177	176	175	175	175	173	169	172	169	
60	137	137	141	145	148	148	146	143	138	134	132	137	137	132	130	131	136	147	137	
65	104	103	106	108	110	111	111	114	115	115	112	110	109	105	100	95.9	92.7	92.7	95.0	
70	72.6	75.0	81.7	86.5	88.3	89.2	88.5	89.3	93.3	95.8	92.0	88.7	86.0	81.2	76.2	67.7	62.7	61.0	65.9	
75	41.4	47.1	58.3	64.8	67.1	67.3	65.3	63.5	65.0	65.6	65.9	66.4	65.2	61.9	55.0	44.2	41.4	41.5	43.2	
80	0.31	1.39	3.91	7.66	12.4	17.6	22.6	26.7	32.1	36.8	38.5	38.7	39.1	38.4	31.4	27.4	24.9	26.0	26.8	
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	6.05	8.58	7.82	5.94	3.65	1.84	4.32
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	0.38	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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194
5	1211	1214	1216	1219	1221	1222	1224	1225	1226	1227	1228	1228	1229	1229	1229	1229	1229	1229	1228
10	1250	1255	1259	1262	1265	1267	1268	1269	1269	1269	1268	1268	1267	1266	1265	1264	1263	1263	1262
15	1312	1317	1321	1323	1325	1325	1325	1323	1321	1319	1315	1312	1309	1306	1303	1300	1298	1297	1296
20	1384	1386	1388	1389	1389	1389	1387	1384	1367	1344	1327	1315	1307	1302	1299	1297	1296	1295	1294
25	1415	1410	1408	1411	1417	1425	1377	1337	1309	1291	1281	1278	1280	1284	1289	1292	1293	1292	1289
30	1301	1294	1299	1316	1302	1253	1215	1189	1177	1178	1189	1209	1232	1254	1272	1285	1290	1289	1281
35	1004	1004	1024	1025	994	968	951	947	961	995	1005	1003	995	986	979	974	974	978	987
40	631	640	658	654	647	635	628	646	681	701	705	698	686	673	663	658	657	660	669
45	350	359	369	374	369	351	383	416	438	443	433	410	385	364	349	342	340	343	353
50	226	229	229	230	224	232	246	258	257	234	225	234	243	253	262	272	276	269	263
55	172	173	172	171	171	170	168	163	171	177	181	186	189	193	197	207	212	200	196
60	132	132	134	138	138	133	135	139	142	145	144	142	138	136	134	141	148	131	130
65	98.9	105	110	114	115	116	119	121	120	117	115	112	108	105	103	107	113	101	100
70	73.5	80.7	87.1	92.3	92.9	97.1	102	100.0	95.7	94.3	93.3	90.8	87.1	80.5	74.4	74.7	77.4	71.5	73.8
75	49.4	62.1	66.6	70.2	69.4	68.9	69.3	68.7	67.8	70.0	71.7	69.8	66.2	56.5	46.5	42.7	42.1	42.4	47.8
80	30.7	35.8	42.4	42.4	40.6	39.7	37.8	33.1	28.3	24.2	19.0	13.0	7.88	3.78	1.37	0.32	0.00	0.32	1.42
85	6.44	8.82	10.5	6.86	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:225.3V I:0.9194A P:199.8W PF:0.9649 Lamp Flux:24004.1x1 lm		
NAME:UFO 200W LED HIGH BAY LIGHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	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	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194				
5	1228	1227	1226	1225	1224	1222	1221	1219	1217	1215	1213	1211	1208	1205	1202				
10	1261	1260	1259	1258	1257	1256	1254	1251	1249	1246	1242	1238	1233	1228	1223				
15	1295	1295	1295	1295	1295	1294	1293	1291	1288	1285	1281	1276	1271	1264	1257				
20	1295	1297	1300	1306	1315	1328	1336	1334	1332	1328	1323	1319	1314	1309	1303				
25	1285	1280	1276	1274	1276	1283	1299	1324	1358	1348	1340	1335	1333	1334	1338				
30	1267	1249	1228	1207	1189	1178	1178	1191	1219	1261	1276	1264	1262	1272	1292				
35	1001	1017	1034	1045	1041	997	969	960	972	1000	1038	1048	1038	1048	1078				
40	684	703	723	736	737	720	684	657	660	675	692	705	695	695	717				
45	370	395	424	450	464	459	437	403	370	392	401	397	388	384	393				
50	255	248	239	230	240	263	265	254	242	233	239	240	241	240	243				
55	193	190	187	183	177	168	160	168	172	172	170	172	170	168	168				
60	132	136	140	142	142	139	135	132	130	135	134	129	128	128	132				
65	103	106	108	110	113	116	117	114	111	110	110	104	99.1	91.3	85.8				
70	79.8	84.7	86.6	87.8	88.7	90.8	93.7	94.2	89.4	87.2	85.0	81.0	75.3	64.9	57.6				
75	57.5	63.7	65.2	64.6	62.7	61.7	61.9	62.0	61.1	64.0	64.1	59.9	51.9	42.0	38.7				
80	3.85	7.54	12.0	16.7	20.7	24.3	27.9	31.5	32.2	33.9	35.1	33.1	26.4	22.5	21.1				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.11	3.74	4.52	2.79	1.17			
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: