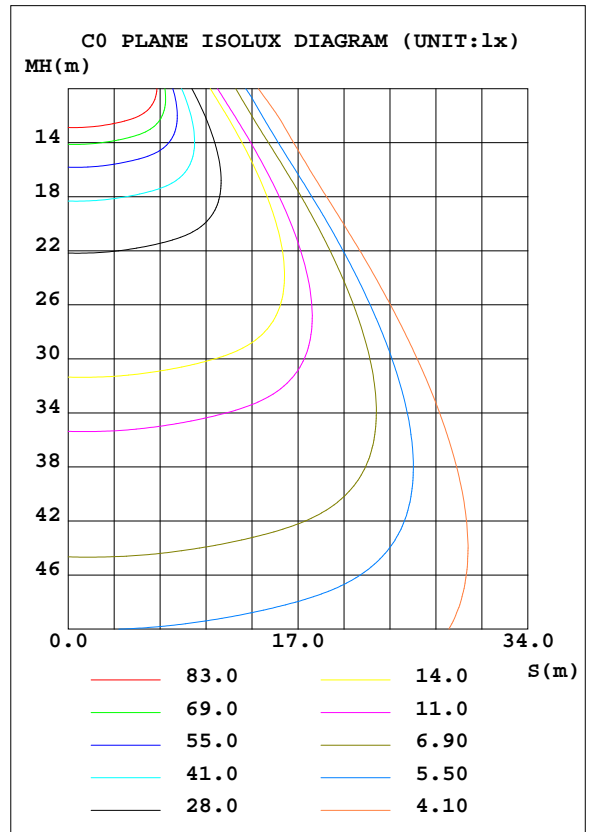
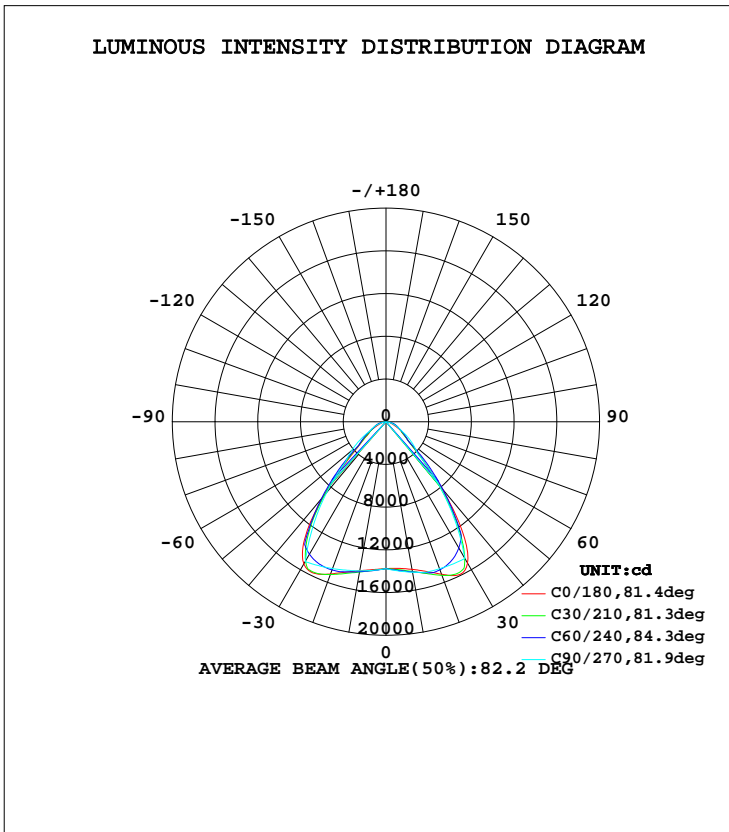


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:225.3V I:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.89 lm/W			
MODEL	QH-HBUFO-240W	I _{max} (cd)	15888	S/MH(C0/180)	1.24
NOMINAL POWER(W)	242	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	27717	η UP, DN(C0-180)	0.0, 50.9
NOMINAL FLUX(lm)	27717	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	225.2	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	1390	1399	1397	1391	1378	1395	1403	1403	0- 5	331.8	331.8	1.2,1.2
10	1416	1428	1417	1419	1404	1427	1431	1438	5- 10	1009	1341	4.84,4.84
15	1458	1465	1438	1460	1451	1470	1458	1480	10- 15	1713	3054	11,11
20	1517	1509	1463	1510	1519	1520	1465	1525	15- 20	2445	5499	19.8,19.8
25	1569	1499	1488	1492	1585	1485	1472	1492	20- 25	3169	8668	31.3,31.3
30	1538	1413	1512	1377	1528	1350	1478	1368	25- 30	3770	12438	44.9,44.9
35	1321	1233	1188	1153	1242	1106	1124	1144	30- 35	3945	16383	59.1,59.1
40	911.4	948.0	864.4	839.5	804.4	776.8	769.7	827.2	35- 40	3406	19789	71.4,71.4
45	507.1	621.6	540.5	546.9	436.5	497.0	415.4	530.1	40- 45	2452	22241	80.2,80.2
50	301.3	371.6	419.3	331.9	271.8	302.1	331.0	319.4	45- 50	1586	23827	86,86
55	205.0	204.3	298.1	192.1	193.4	182.6	246.6	186.9	50- 55	1131	24958	90,90
60	170.4	162.1	176.9	156.5	156.3	153.6	162.2	157.0	55- 60	857.1	25815	93.1,93.1
65	100.8	131.8	133.3	131.1	95.43	131.6	123.4	134.7	60- 65	665.2	26480	95.5,95.5
70	64.54	103.9	89.79	105.4	64.33	105.8	84.70	107.7	65- 70	537.6	27018	97.5,97.5
75	42.31	69.54	46.24	72.32	44.38	70.90	45.96	70.34	70- 75	406.1	27424	98.9,98.9
80	21.90	31.28	0	34.89	27.09	32.83	0	30.54	75- 80	239.6	27664	99.8,99.8
85	0.9636	0	0	0	2.406	0	0	0	80- 85	51.74	27715	100,100
90	0.3773	0	0	0	0.5134	0	0	0	85- 90	1.621	27717	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			

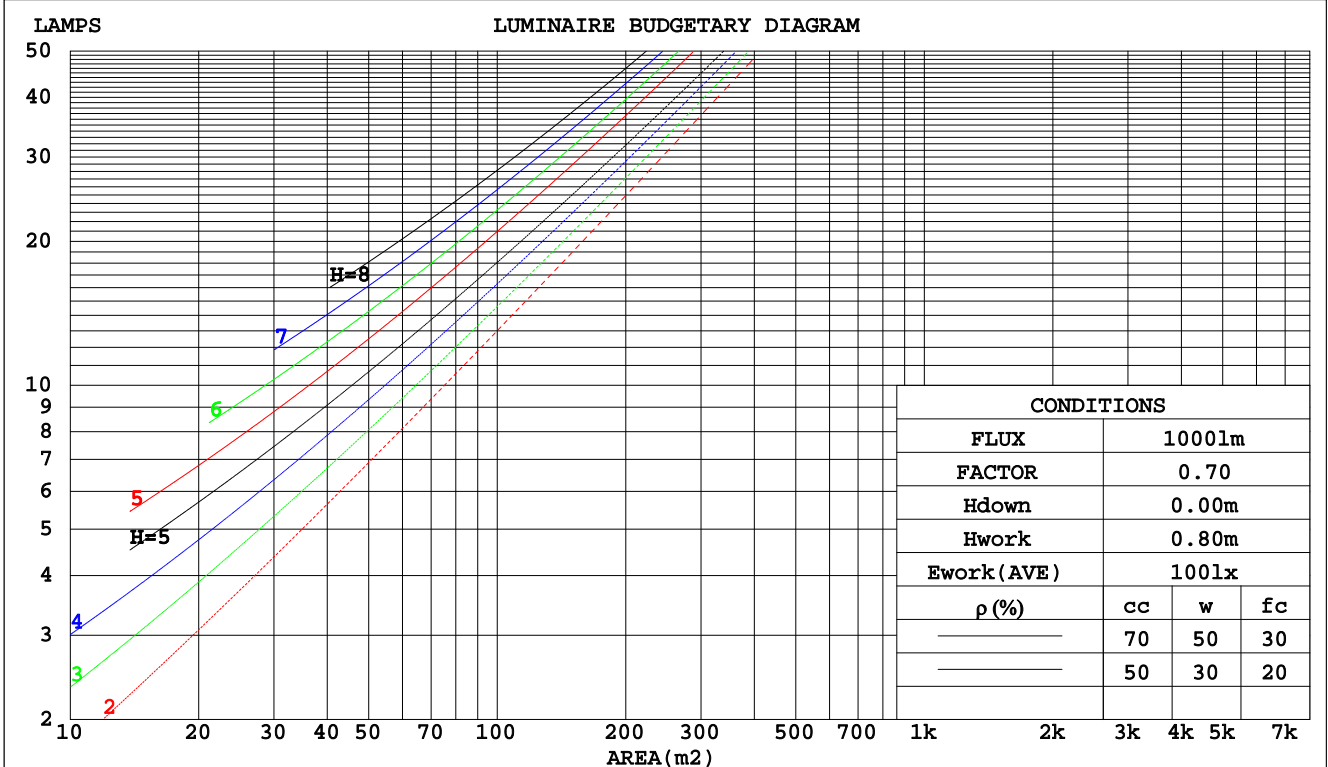
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:QC
 Test Date:2016-06-16

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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	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	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.92	.88	.96	.91	.87	.93	.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	.60	.71	.65	.60	.69	.63	.59	.67	.62	.59	.57
6.0	.68	.60	.55	.67	.60	.54	.65	.59	.54	.63	.58	.54	.62	.57	.53	.51
7.0	.62	.55	.49	.61	.54	.49	.60	.54	.49	.59	.53	.49	.57	.52	.48	.47
8.0	.57	.50	.45	.57	.50	.45	.56	.49	.45	.54	.49	.44	.53	.48	.44	.43
9.0	.53	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.41	.50	.44	.41	.39
10.0	.49	.42	.38	.49	.42	.38	.48	.42	.38	.47	.42	.37	.46	.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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm								
NAME: UFO 240W LED HIGH BAY LGIHT				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	.229	.130	.041	.223	.127	.040	.210	.120	.038	.198	.114	.037	.187	.108	.035	
2.0	.222	.122	.037	.216	.119	.037	.205	.114	.035	.195	.109	.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	.162	.084	.025	.156	.082	.024	
7.0	.168	.083	.024	.165	.082	.023	.159	.081	.023	.154	.079	.023	.149	.077	.023	
8.0	.160	.078	.022	.157	.077	.022	.152	.076	.022	.147	.074	.021	.142	.073	.021	
9.0	.152	.073	.020	.149	.073	.020	.144	.071	.020	.140	.070	.020	.136	.069	.020	
10.0	.144	.069	.019	.142	.069	.019	.138	.067	.019	.134	.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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm										
NAME: UFO 240W LED HIGH BAY LGIHT					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	29.2	30.4	29.4	30.6	30.8	29.7	31.0	30.0	31.2	31.3
3H	29.5	30.6	29.8	30.8	31.1	30.1	31.2	30.4	31.4	31.7
4H	29.6	30.7	29.9	30.9	31.1	30.2	31.3	30.5	31.5	31.8
6H	29.6	30.6	29.9	30.9	31.1	30.2	31.2	30.5	31.4	31.7
8H	29.6	30.5	29.9	30.8	31.1	30.1	31.1	30.4	31.3	31.6
12H	29.5	30.5	29.9	30.7	31.0	30.1	31.0	30.4	31.3	31.5
4H 2H	29.3	30.4	29.6	30.6	30.8	29.8	30.9	30.1	31.1	31.3
3H	29.9	30.8	30.2	31.1	31.4	30.4	31.3	30.7	31.6	31.9
4H	30.1	30.9	30.5	31.3	31.6	30.6	31.5	31.0	31.8	32.1
6H	30.2	31.0	30.6	31.3	31.7	30.6	31.4	31.0	31.7	32.1
8H	30.2	30.9	30.6	31.3	31.6	30.6	31.3	31.0	31.6	32.0
12H	30.2	30.8	30.6	31.2	31.6	30.5	31.2	31.0	31.5	31.9
8H 4H	30.3	30.9	30.7	31.3	31.7	30.8	31.4	31.2	31.8	32.2
6H	30.5	31.0	30.9	31.4	31.9	30.8	31.3	31.2	31.7	32.2
8H	30.5	31.0	30.9	31.4	31.9	30.7	31.2	31.2	31.6	32.1
12H	30.5	30.9	30.9	31.3	31.8	30.7	31.1	31.2	31.6	32.0
12H 4H	30.2	30.8	30.6	31.2	31.6	30.7	31.4	31.1	31.7	32.1
6H	30.5	30.9	30.9	31.4	31.8	30.8	31.3	31.2	31.7	32.1
8H	30.5	30.9	30.9	31.3	31.8	30.7	31.1	31.2	31.6	32.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.8					+ 1.0 / - 1.3				
1.5H	+ 2.2 / - 1.4					+ 1.6 / - 1.3				
2.0H	+ 1.9 / - 0.8					+ 1.8 / - 1.4				

CIE Pub.117 Corrected 27717 lm Total Lamp Luminous Flux. (8log(F/F0) = 11.5)

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:225.3V I:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

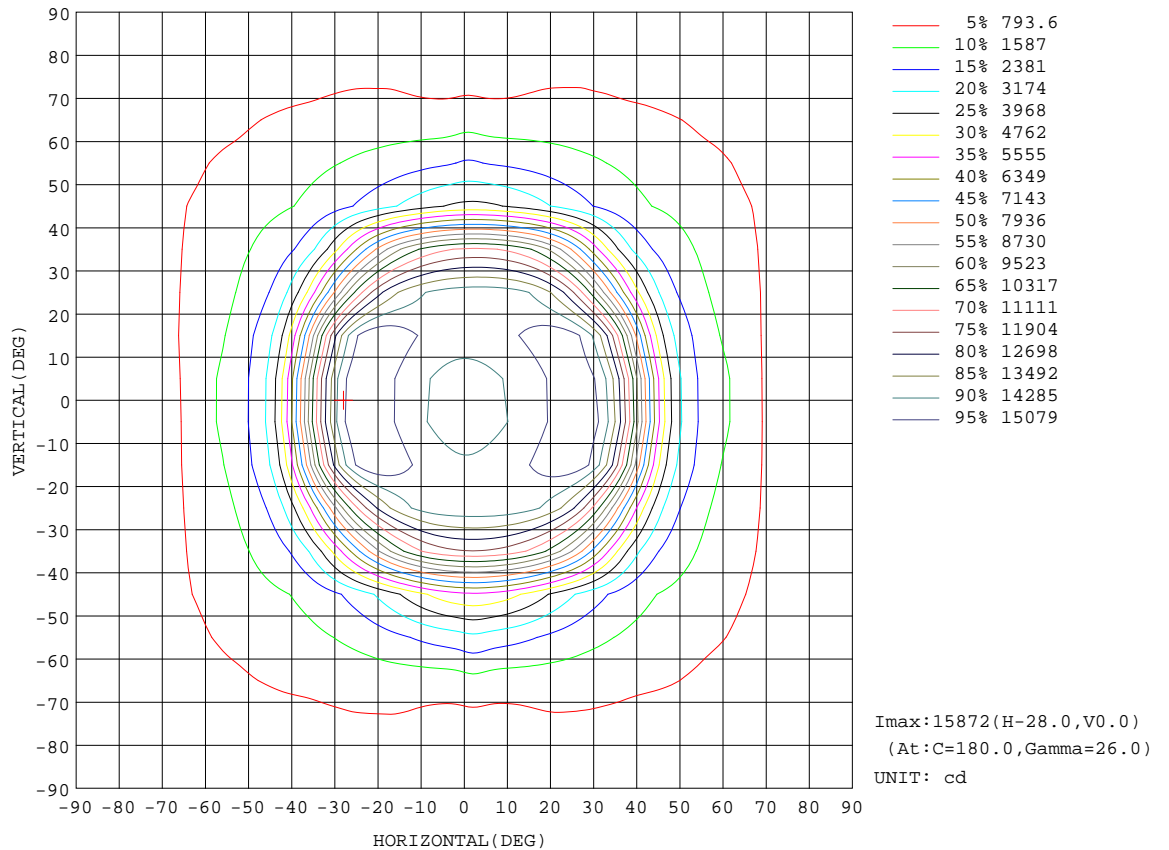
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	65	60	73	65	60	72	64	59	55
0.80	83	74	69	82	74	69	80	73	68	63
1.00	89	81	76	88	81	76	87	81	75	70
1.25	95	88	83	94	87	82	91	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	85
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
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 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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:

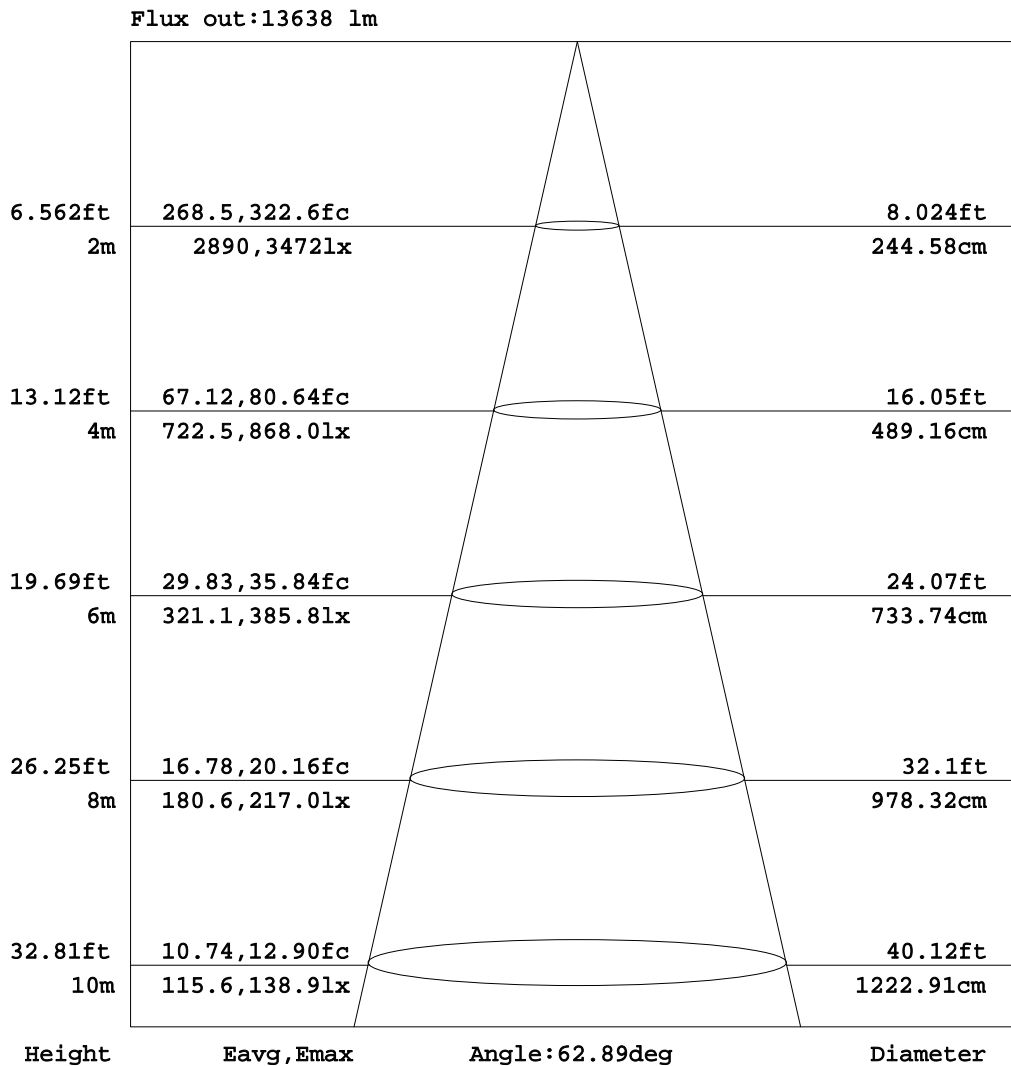


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:QC
 Test Date:2016-06-16

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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



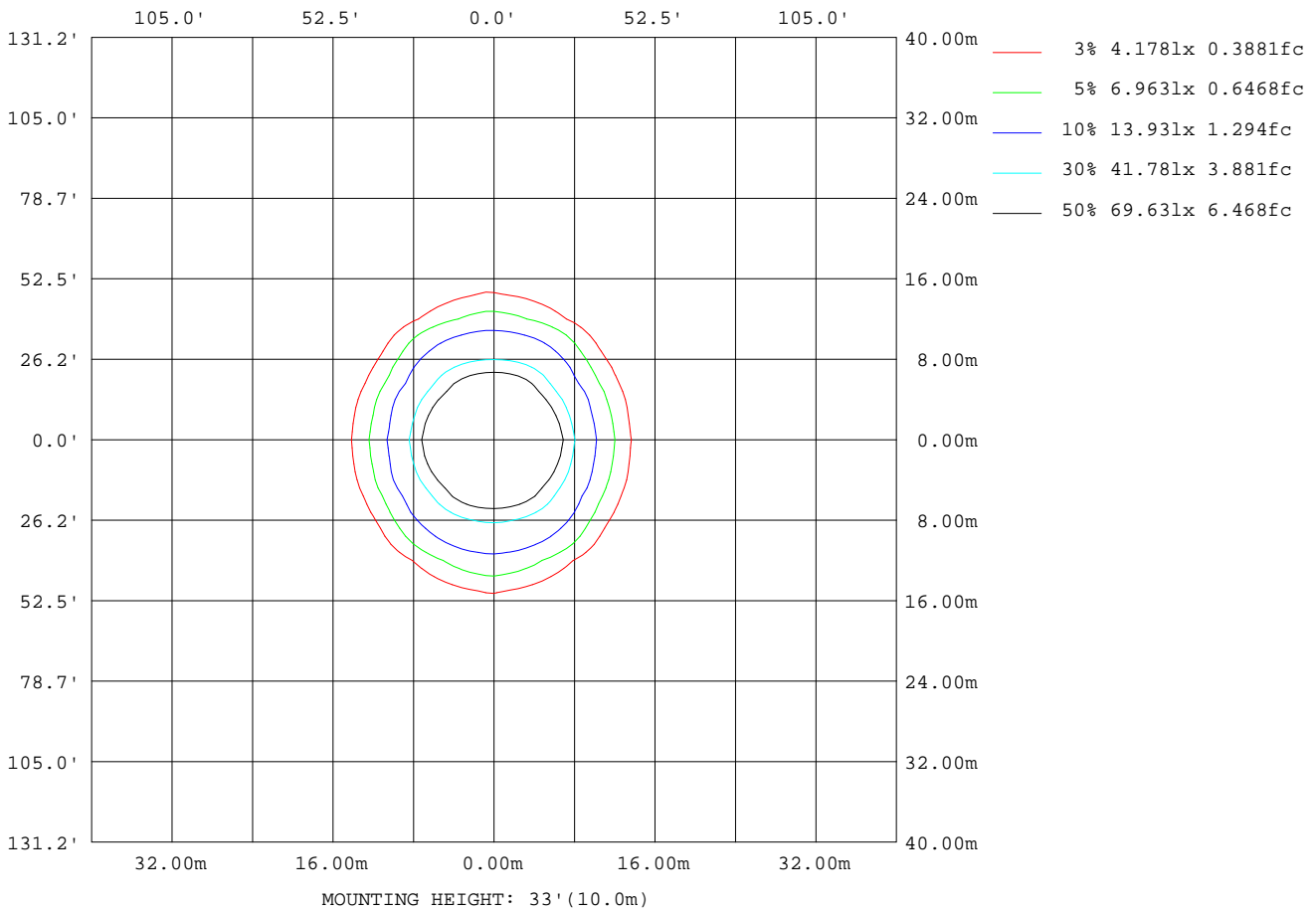
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

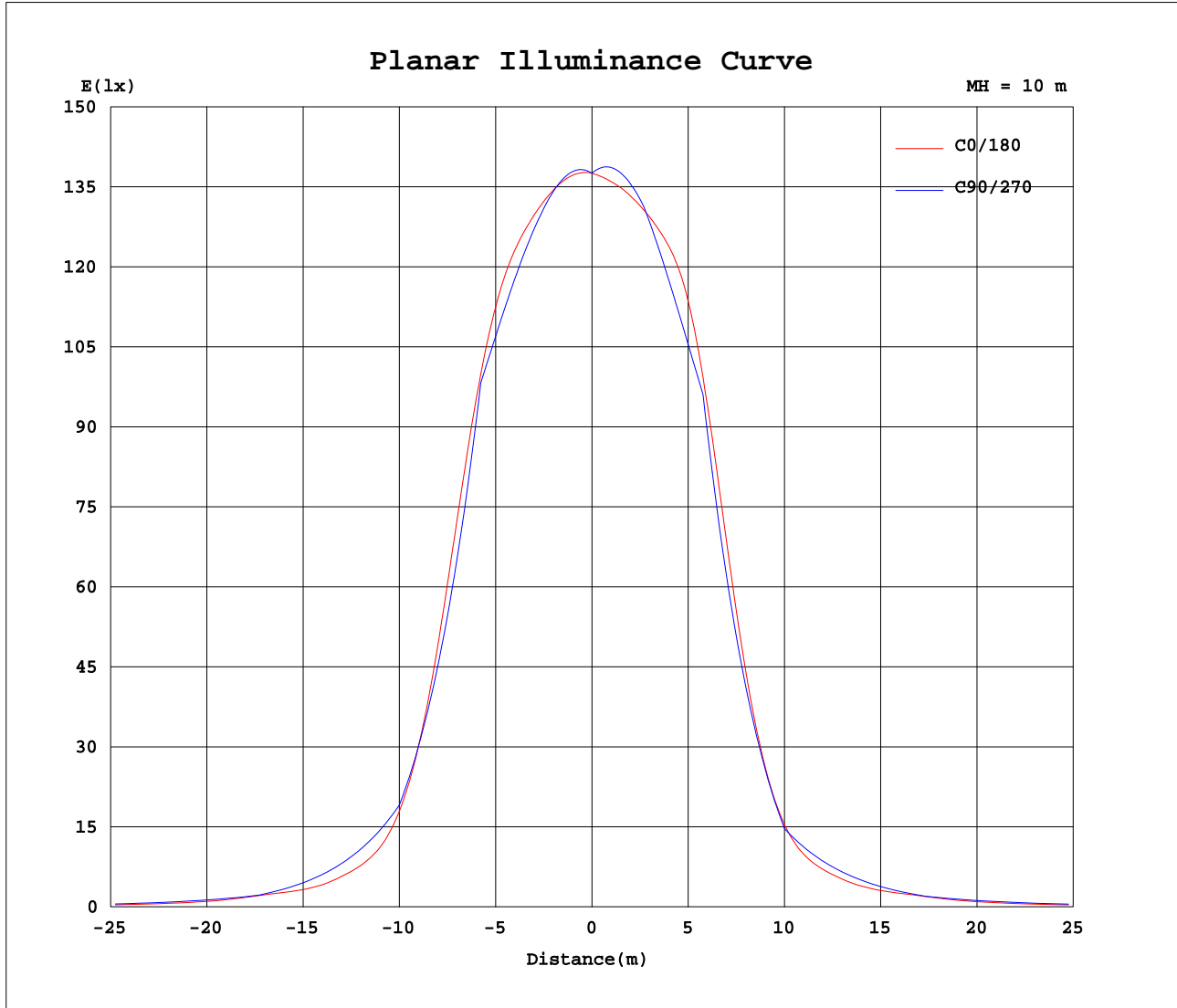
Test:U:225.3V I:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	TYPE:IP65	WEIGHT:
DIM.:	SPEC.:PHILIPS 3030	SERIAL No.:
MFR.: QINHAN LIGHTING	SUR.:	PROTECTION ANGLE:



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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	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	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376
5	1390	1391	1393	1394	1395	1396	1397	1398	1398	1399	1399	1399	1399	1399	1398	1398	1398	1397	1397
10	1416	1420	1423	1425	1427	1428	1429	1429	1429	1428	1428	1427	1425	1424	1423	1421	1420	1419	1417
15	1458	1463	1467	1470	1471	1472	1471	1470	1468	1465	1462	1459	1455	1452	1448	1445	1442	1440	1438
20	1517	1521	1524	1525	1525	1524	1522	1519	1514	1509	1497	1485	1477	1472	1469	1467	1465	1464	1463
25	1569	1565	1562	1561	1560	1561	1561	1561	1526	1499	1483	1474	1471	1473	1477	1482	1485	1488	1488
30	1538	1518	1507	1504	1511	1523	1505	1460	1429	1413	1410	1417	1433	1452	1472	1489	1502	1510	1512
35	1321	1285	1269	1276	1301	1297	1259	1233	1224	1233	1260	1300	1286	1261	1237	1217	1202	1192	1188
40	911	874	868	889	918	907	899	898	913	948	962	957	941	921	901	886	875	868	864
45	507	488	491	514	529	539	542	542	587	622	634	626	605	581	563	552	546	543	540
50	301	295	297	304	308	313	312	333	357	372	362	329	326	349	371	389	402	413	419
55	205	201	206	210	210	211	216	218	216	204	219	232	244	255	265	273	279	287	298
60	170	157	152	152	153	159	159	152	156	162	169	174	175	173	168	163	158	161	177
65	101	102	107	116	120	125	125	127	131	132	130	126	125	124	122	119	117	121	133
70	64.5	66.8	75.2	83.8	89.6	95.6	97.4	102	108	104	99.7	99.0	99.1	98.4	96.3	90.2	83.9	83.6	89.8
75	42.3	41.6	46.2	57.1	62.8	67.4	68.0	69.0	70.1	69.5	68.9	71.6	73.2	73.0	71.2	61.9	51.0	46.4	46.2
80	21.9	20.9	22.3	26.7	33.3	34.2	33.9	34.3	33.8	31.3	27.7	24.3	18.9	13.3	8.40	4.13	1.50	0.34	0.00
85	0.96	0.94	2.03	4.03	2.06	2.98	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	0.38	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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	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	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	
5	1396	1395	1395	1394	1394	1393	1392	1391	1391	1390	1389	1388	1386	1385	1383	1382	1380	1378	1380	
10	1417	1416	1416	1416	1417	1417	1418	1419	1419	1419	1419	1419	1418	1416	1414	1411	1408	1404	1409	
15	1438	1439	1440	1443	1446	1449	1453	1456	1460	1463	1465	1466	1467	1466	1464	1461	1456	1451	1457	
20	1462	1462	1462	1463	1466	1472	1481	1496	1510	1517	1522	1526	1528	1529	1529	1527	1524	1519	1525	
25	1486	1482	1477	1471	1465	1460	1462	1471	1492	1526	1571	1570	1568	1567	1569	1573	1579	1585	1577	
30	1509	1499	1483	1460	1432	1404	1382	1372	1377	1398	1437	1490	1509	1493	1486	1488	1503	1528	1497	
35	1190	1197	1207	1219	1229	1235	1227	1179	1153	1150	1167	1198	1237	1236	1206	1195	1206	1242	1195	
40	864	866	872	879	886	890	886	870	839	813	811	820	828	835	802	776	776	804	764	
45	537	535	535	542	553	565	573	568	547	511	471	481	481	472	456	431	424	436	418	
50	407	394	376	354	330	306	305	329	332	318	297	281	283	280	278	272	268	272	265	
55	281	274	266	256	245	232	219	206	192	201	203	202	199	199	196	194	190	193	189	
60	156	157	162	166	170	170	168	163	157	152	149	155	153	148	146	146	148	156	147	
65	119	118	121	123	125	126	126	129	131	129	126	124	123	117	110	103	97.4	95.4	100	
70	82.6	85.7	93.2	98.3	99.9	101	100.0	101	105	107	102	98.7	95.5	90.0	82.9	71.7	66.2	64.3	68.8	
75	46.9	53.7	66.6	73.4	75.2	75.3	72.9	70.8	72.3	72.6	72.4	73.2	72.0	67.9	59.1	47.3	44.7	44.4	45.7	
80	0.35	1.59	4.46	8.67	13.8	19.6	24.9	29.2	34.9	40.2	42.0	42.8	43.3	41.1	33.4	29.3	26.5	27.1	27.7	
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	6.87	9.66	8.64	6.79	4.47	2.41	4.52
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	0.00	0.00	0.51	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:1.080A P:237.1W PF:0.9746 Lamp Flux:27717x1 lm		
NAME: UFO 240W LED HIGH BAY LGIHT	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	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376	1376				
5	1405	1405	1405	1405	1404	1404	1403	1403	1402	1401	1399	1398	1396	1394	1392				
10	1434	1435	1436	1437	1438	1438	1438	1438	1437	1436	1434	1432	1429	1425	1421				
15	1464	1467	1470	1473	1476	1478	1480	1481	1481	1480	1479	1477	1474	1470	1464				
20	1472	1475	1480	1488	1499	1514	1525	1527	1528	1528	1527	1526	1525	1523	1520				
25	1470	1467	1464	1463	1466	1475	1492	1518	1555	1549	1545	1544	1547	1552	1560				
30	1459	1442	1421	1399	1380	1368	1368	1381	1411	1458	1477	1468	1469	1481	1505				
35	1161	1184	1208	1225	1227	1177	1144	1132	1144	1175	1219	1233	1223	1234	1267				
40	804	827	852	870	876	862	827	794	794	810	829	847	836	834	858				
45	448	475	507	537	555	553	530	494	456	477	488	485	477	469	479				
50	310	300	289	275	286	315	319	308	292	280	289	288	289	288	290				
55	229	226	222	216	209	198	187	199	203	204	200	203	203	200	199				
60	152	157	162	165	165	161	157	152	151	157	156	150	149	150	157				
65	116	120	123	126	130	134	135	132	128	127	126	121	116	107	101				
70	89.8	95.8	99.0	101	101	104	108	109	104	101	98.3	92.7	86.9	75.4	66.2				
75	63.8	71.7	74.7	74.0	71.7	70.0	70.3	70.8	70.2	72.7	72.8	68.0	59.0	46.7	41.8				
80	4.26	8.48	13.8	19.1	23.6	27.2	30.5	33.5	33.5	34.8	37.1	36.5	28.5	24.1	22.1				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12	3.26	4.64	2.90	1.46			
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: