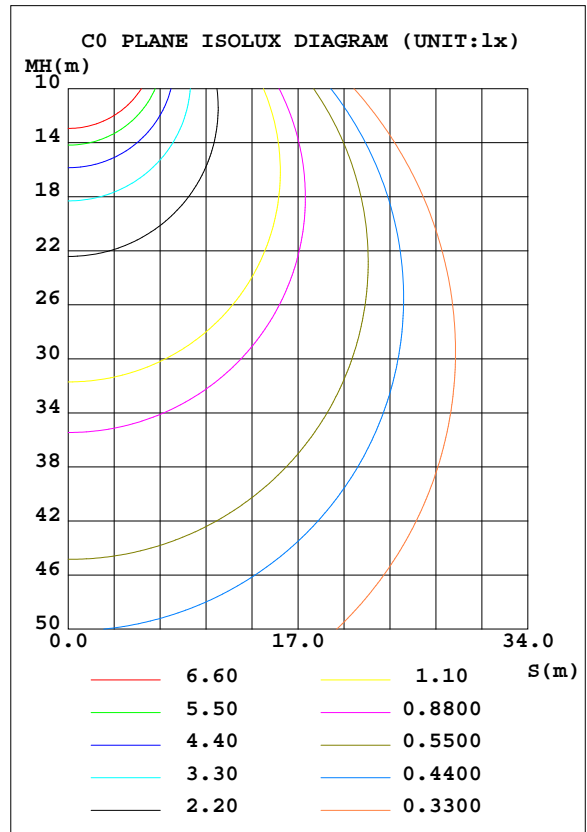
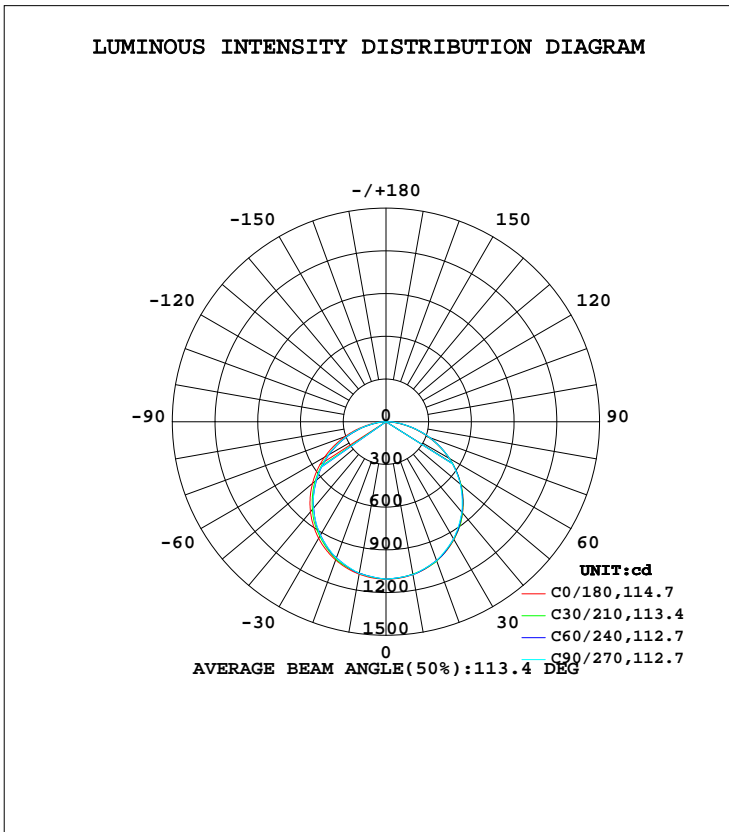


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.4V I:0.1868A P:41.52W PF:0.9646 Freq:50.00Hz Lamp Flux:3199.6x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.06 lm/W			
MODEL		I _{max} (cd)	1106	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3199.6	η UP, DN(C0-180)	0.0,51.0
NOMINAL FLUX(lm)	3199.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 薛 6060

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1090	1087	1091	1085	1087	1079	1082	1082	0- 10	104.3	104.3	3.26,3.26
20	1040	1036	1038	1032	1033	1019	1020	1025	10- 20	299.6	403.9	12.6,12.6
30	955.0	952.5	950.0	946.8	945.8	924.7	922.8	936.7	20- 30	456.0	859.9	26.9,26.9
40	836.6	835.2	830.0	829.1	825.3	798.9	795.1	816.6	30- 40	552.6	1412	44.1,44.1
50	686.7	688.1	682.1	680.7	674.1	642.8	641.1	667.4	40- 50	576.0	1988	62.1,62.1
60	510.7	514.8	511.9	508.2	498.2	464.8	469.0	493.9	50- 60	522.0	2510	78.5,78.5
70	319.3	327.4	327.1	320.7	307.5	277.8	284.6	309.4	60- 70	398.6	2909	90.9,90.9
80	133.6	143.7	140.2	138.1	123.5	102.2	103.5	129.5	70- 80	228.3	3137	98.1,98.1
90	0.8072	1.493	0.8491	0.9752	0.4899	1.003	0.9658	0.9332	80- 90	62.31	3200	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1702.5 lm

%lum = 53.2%
%lamp = 53.2%

Conical surface Flux(120deg): 2510.5 lm

%lum = 78.5%
%lamp = 78.5%

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:W.H
Test Date:2016-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:9.100m [K=1.0000]
Remarks: 薛 6060

UGR(Unified Glare Rating) Table

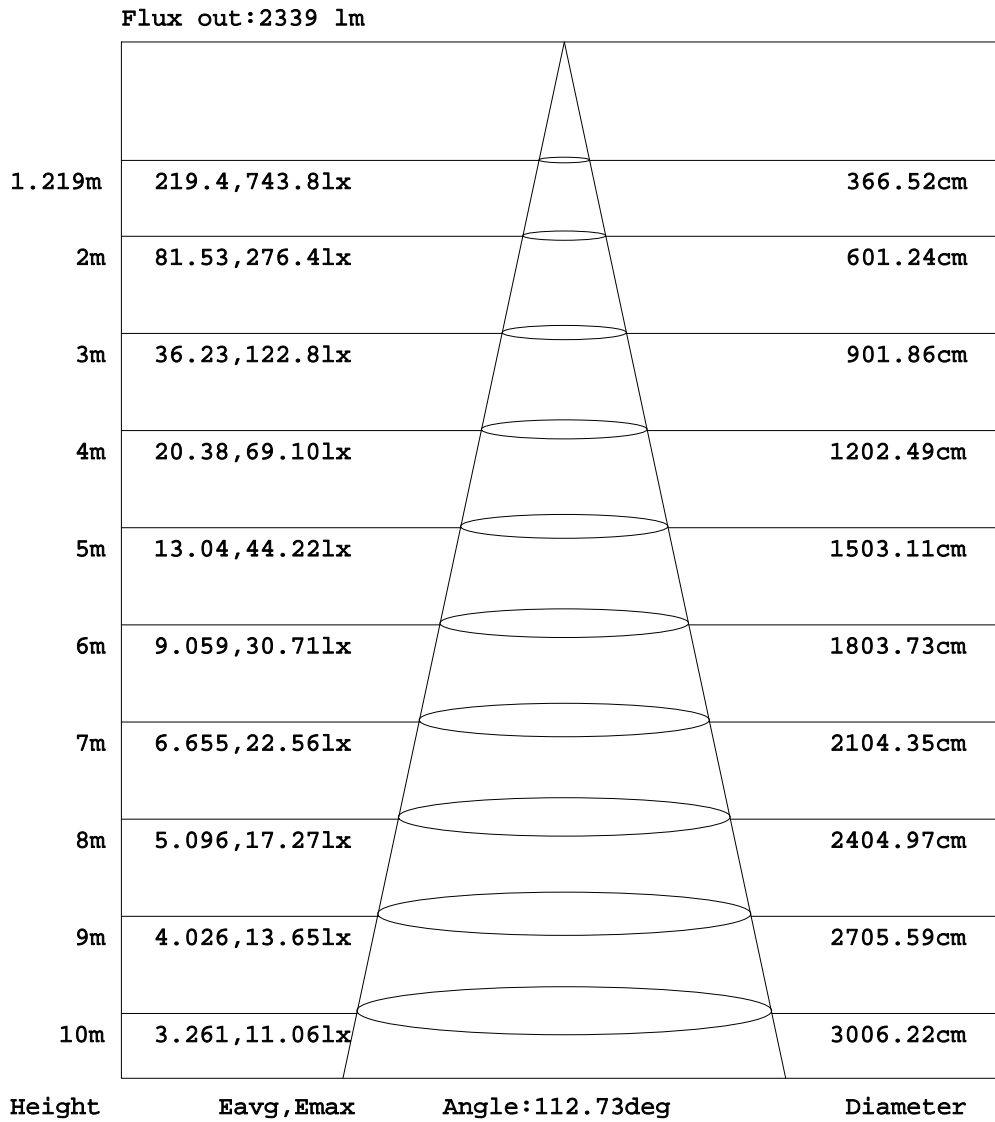
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.7	18.2	17.0	18.5	18.7	16.7	18.2	17.0	18.4	18.6
3H	18.3	19.7	18.6	19.9	20.1	18.3	19.7	18.6	19.9	20.2
4H	18.9	20.2	19.2	20.5	20.7	18.9	20.3	19.3	20.5	20.8
6H	19.3	20.6	19.6	20.8	21.1	19.4	20.7	19.8	21.0	21.2
8H	19.4	20.6	19.7	20.9	21.2	19.6	20.8	19.9	21.1	21.4
12H	19.4	20.6	19.8	20.9	21.2	19.7	20.9	20.1	21.2	21.5
4H 2H	17.4	18.7	17.7	19.0	19.2	17.3	18.7	17.7	18.9	19.2
3H	19.1	20.3	19.4	20.6	20.9	19.1	20.3	19.5	20.6	20.9
4H	19.8	20.9	20.2	21.2	21.6	19.9	21.0	20.3	21.3	21.6
6H	20.4	21.3	20.8	21.7	22.1	20.5	21.5	20.9	21.8	22.2
8H	20.5	21.4	20.9	21.8	22.2	20.7	21.6	21.1	22.0	22.4
12H	20.6	21.4	21.0	21.8	22.2	20.9	21.7	21.3	22.1	22.5
8H 4H	20.1	21.0	20.5	21.4	21.8	20.2	21.1	20.6	21.5	21.8
6H	20.8	21.6	21.3	22.0	22.4	20.9	21.7	21.4	22.1	22.5
8H	21.1	21.7	21.5	22.2	22.6	21.3	21.9	21.7	22.3	22.8
12H	21.2	21.8	21.7	22.2	22.7	21.5	22.1	22.0	22.6	23.0
12H 4H	20.1	21.0	20.6	21.3	21.8	20.2	21.0	20.6	21.4	21.8
6H	20.9	21.6	21.4	22.0	22.4	21.0	21.7	21.5	22.1	22.5
8H	21.2	21.8	21.7	22.2	22.7	21.4	21.9	21.9	22.4	22.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 3200 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.0)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:W.H
 Test Date:2016-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 薛 6060

AAI Figure



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:W.H
 Test Date:2016-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks: 薛 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

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	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106
5	1102	1102	1101	1100	1100	1100	1099	1099	1099	1099	1099	1098	1098	1098	1098	1098	1098	1098	1098
10	1090	1089	1088	1087	1087	1086	1086	1086	1087	1087	1088	1088	1089	1089	1090	1090	1090	1091	1091
15	1069	1067	1066	1066	1066	1066	1067	1068	1070	1069	1068	1067	1066	1066	1065	1065	1065	1064	1064
20	1040	1037	1036	1036	1037	1039	1040	1038	1037	1036	1036	1036	1037	1037	1038	1038	1038	1038	1038
25	1002	999	998	999	1001	1001	999	999	999	1000	1001	1000	998	997	996	995	995	994	994
30	955	952	952	954	955	953	953	954	955	953	951	950	949	949	950	950	950	950	950
35	900	897	897	901	898	898	900	899	897	896	896	898	896	894	893	892	891	890	890
40	837	833	835	835	835	838	835	834	835	835	833	831	830	830	830	830	830	830	830
45	765	762	766	764	767	765	764	766	764	762	762	763	762	760	759	758	757	756	756
50	687	684	686	687	688	687	688	686	686	688	685	684	683	683	682	683	683	682	682
55	602	600	601	604	602	604	603	605	603	602	602	603	602	600	599	599	598	597	597
60	511	510	511	512	514	513	515	514	514	515	513	513	513	512	513	513	512	512	512
65	416	416	418	418	419	420	420	422	421	421	422	423	422	422	421	421	420	420	420
70	319	318	320	321	323	324	325	326	327	327	328	328	328	328	328	328	328	328	327
75	224	224	225	227	228	230	231	232	232	233	234	234	235	235	235	235	234	234	234
80	134	130	128	133	138	140	141	142	143	144	144	144	143	143	142	142	141	141	140
85	47.2	36.8	44.3	52.6	58.1	60.0	60.0	62.2	64.2	65.8	67.2	68.2	69.1	69.7	70.1	70.5	70.6	70.7	70.5
90	0.81	0.95	0.91	0.93	1.03	1.06	1.09	1.20	1.36	1.49	1.49	1.42	1.26	1.07	0.94	0.88	0.85	0.85	0.85

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: W.H
 Test Date: 2016-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks: 薛 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

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		1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106
5		1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1099	1099	1100	1100	1099
10		1090	1090	1090	1089	1088	1088	1087	1086	1085	1085	1084	1084	1084	1084	1084	1085	1086	1087	1085
15		1064	1064	1064	1064	1064	1064	1065	1065	1066	1067	1065	1064	1062	1062	1061	1062	1063	1064	1062
20		1038	1037	1036	1036	1035	1034	1033	1033	1032	1033	1034	1036	1034	1032	1031	1030	1031	1033	1030
25		994	994	994	994	994	995	996	997	995	994	993	994	995	995	992	991	992	994	990
30		950	949	948	947	946	946	945	946	947	949	947	946	946	948	947	944	944	946	941
35		890	889	889	890	890	892	893	891	890	890	891	893	890	890	893	889	887	890	884
40		829	829	828	827	826	826	826	827	829	828	826	827	829	826	826	826	823	825	820
45		756	755	755	756	756	757	758	756	755	756	759	756	756	756	754	757	752	753	748
50		682	681	680	679	679	678	678	679	681	679	678	680	677	677	676	676	673	674	669
55		597	596	596	596	596	597	597	596	595	595	596	594	595	592	593	590	589	589	584
60		511	511	510	509	508	508	507	507	508	507	505	506	504	505	501	500	500	498	494
65		419	419	418	418	417	417	417	415	414	414	414	412	411	409	409	407	406	404	400
70		327	326	325	325	324	324	323	322	321	320	318	317	316	314	312	310	309	308	301
75		233	233	232	232	231	231	230	229	228	226	225	223	221	220	218	216	214	212	204
80		140	140	139	139	139	139	139	139	138	137	136	134	132	130	125	119	118	124	114
85		70.3	69.8	69.3	68.5	67.6	66.4	65.1	63.5	61.6	59.4	56.8	53.7	53.5	51.6	46.5	37.4	29.0	38.0	32.8
90		0.85	0.85	0.87	0.89	0.91	0.91	0.93	0.96	0.98	0.97	0.92	0.90	0.89	0.85	0.83	0.77	0.75	0.49	1.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: W.H
 Test Date: 2016-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks: 薛 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3

UNIT: cd

Table with 20 columns (C(190-280) and gamma(0-90)) and 20 rows of luminous intensity data.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:W.H
Test Date:2016-08-24

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.352
Humidity:65.0%
Test Distance:9.100m [K=1.0000]
Remarks: 薛 6060

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106	1106				
5	1094	1094	1094	1095	1095	1095	1096	1096	1097	1097	1098	1099	1099	1100	1101				
10	1082	1082	1082	1082	1082	1082	1082	1082	1082	1082	1083	1084	1085	1086	1088				
15	1052	1053	1054	1055	1057	1058	1060	1062	1061	1061	1061	1062	1063	1064	1066				
20	1021	1021	1022	1022	1023	1024	1025	1027	1029	1033	1032	1032	1032	1034	1036				
25	974	976	978	981	984	986	986	987	988	990	993	995	994	995	997				
30	925	926	927	929	931	933	937	941	942	942	944	947	949	948	950				
35	864	866	869	872	876	877	878	881	885	889	889	890	895	893	895				
40	799	801	803	805	808	812	817	819	820	824	828	827	829	831	831				
45	724	727	730	735	738	740	743	747	752	752	756	759	758	762	760				
50	646	649	651	654	658	662	667	669	671	676	678	681	681	682	682				
55	562	565	568	572	575	578	581	585	590	591	595	596	600	598	598				
60	475	478	480	483	486	490	494	497	500	505	506	509	509	509	508				
65	384	387	390	393	396	399	402	405	409	411	414	416	418	419	415				
70	291	294	297	300	303	306	309	313	315	318	320	322	323	322	319				
75	201	203	206	209	211	214	217	220	223	226	228	229	230	230	227				
80	110	113	116	120	123	126	130	132	135	137	140	142	143	143	140				
85	54.4	54.9	55.3	55.7	56.0	56.3	56.5	56.7	56.9	57.3	60.2	61.0	57.7	56.7	57.0				
90	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.90				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: W.H
 Test Date: 2016-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.352
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks: 薛 6060