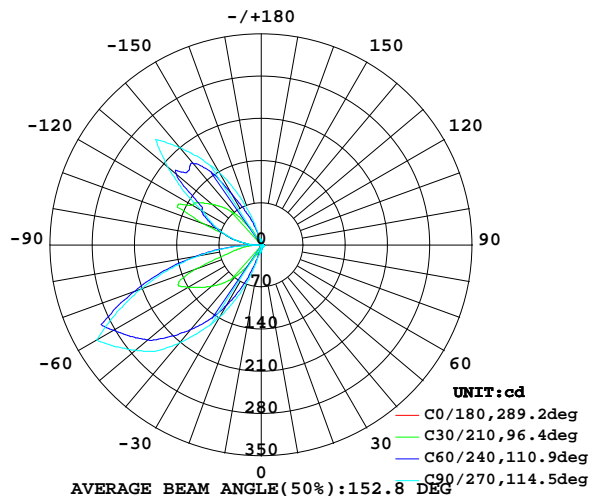


LUMINAIRE PHOTOMETRIC TEST REPORT

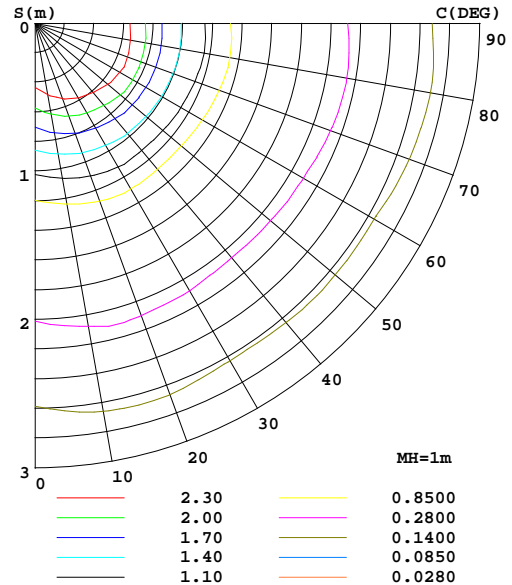
NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 49.45 lm/W
MODEL	Bridelux LED	Imax(cd)	317.8	S/MH(C0/180)	1.78	
NOMINAL POWER(W)	9	LOR(%)	33.9	S/MH(C90/270)	2.03	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	548.95	h UP,DN(C0-180)	0.4,0.6	
NOMINAL FLUX(lm)	810	CIE CLASS	DIFFUSE	h UP,DN(C180-360)	13.8,19.0	
LAMPS INSIDE	2	h up(%)	14.3	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	120.6	h down(%)	19.6	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	2.702	2.790	2.806	2.840	2.834	5.997	6.995	5.545	0- 5	0.0872	0.0872	0.02,0.01
10	2.744	2.945	2.928	2.963	3.029	9.651	11.30	8.045	5- 10	0.3538	0.4410	0.08,0.03
15	2.824	3.127	3.049	3.047	3.220	13.52	15.61	10.21	10- 15	0.7545	1.196	0.22,0.07
20	2.918	3.343	3.317	3.059	3.378	17.51	56.06	12.08	15- 20	1.687	2.882	0.53,0.18
25	3.002	3.555	3.584	3.199	3.468	45.31	96.51	30.61	20- 25	3.991	6.873	1.25,0.42
30	3.066	3.731	3.851	3.325	3.416	77.10	137.0	48.49	25- 30	7.400	14.27	2.6,0.88
35	3.099	3.837	3.857	3.416	3.237	108.4	174.7	62.33	30- 35	11.66	25.94	4.72,1.6
40	3.190	3.870	3.863	3.442	2.999	138.2	212.4	74.42	35- 40	16.62	42.56	7.75,2.63
45	3.210	3.781	3.869	3.347	2.856	163.6	250.2	99.69	40- 45	22.27	64.83	11.8,4
50	3.210	3.704	3.857	3.260	2.759	189.4	272.1	125.2	45- 50	28.23	93.06	17,5.74
55	3.198	3.636	3.846	3.176	2.655	215.0	294.0	148.2	50- 55	33.81	126.9	23.1,7.83
60	3.178	3.519	3.834	3.011	2.655	229.5	315.9	161.6	55- 60	39.04	165.9	30.2,10.2
65	3.143	3.362	3.536	2.846	2.608	245.2	263.5	178.6	60- 65	41.88	207.8	37.9,12.8
70	2.866	3.101	3.238	2.602	2.214	228.5	211.1	167.6	65- 70	38.54	246.3	44.9,15.2
75	2.368	2.732	2.940	2.262	1.612	170.3	158.6	120.6	70- 75	31.01	277.3	50.5,17.1
80	1.816	2.358	2.642	1.936	0.9929	113.1	106.2	77.48	75- 80	22.02	299.4	54.5,18.5
85	0.7752	1.985	2.344	1.620	0.3564	56.59	53.73	37.73	80- 85	13.28	312.7	57,19.3
90	0.2502	1.622	2.046	1.318	0.3917	0.5797	1.286	0.5300	85- 90	4.799	317.5	57.8,19.6
95	0.9250	1.888	2.306	1.618	0.9660	56.60	19.64	29.57	90- 95	3.252	320.7	58.4,19.8
100	1.640	2.169	2.566	1.930	0.9854	113.2	38.00	66.24	95-100	8.624	329.3	60,20.3
105	2.128	2.460	2.826	2.248	2.087	170.8	56.35	115.1	100-105	14.29	343.6	62.6,21.2
110	2.343	2.770	3.086	2.554	2.375	229.1	74.71	168.0	105-110	19.61	363.2	66.2,22.4
115	2.402	2.930	3.346	2.656	2.291	235.8	93.06	177.7	110-115	23.71	386.9	70.5,23.9
120	2.279	2.925	3.606	2.616	2.333	216.4	111.4	163.1	115-120	24.84	411.8	75,25.4
125	2.227	2.901	3.393	2.581	2.177	213.3	157.0	155.7	120-125	25.09	436.9	79.6,27
130	2.125	2.836	3.180	2.516	2.019	153.1	202.6	131.2	125-130	26.05	462.9	84.3,28.6
135	1.999	2.735	2.967	2.423	1.863	123.1	248.2	106.0	130-135	25.49	488.4	89,30.1
140	1.877	2.610	2.720	2.303	1.744	133.2	211.6	81.73	135-140	21.26	509.7	92.8,31.5
145	1.786	2.424	2.472	2.157	1.645	61.69	174.9	67.07	140-145	15.83	525.5	95.7,32.4
150	1.702	2.221	2.224	1.994	1.558	70.30	138.3	50.50	145-150	11.00	536.5	97.7,33.1
155	1.617	1.980	1.977	1.806	1.471	42.02	96.35	29.68	150-155	6.851	543.4	99,33.5
160	1.483	1.718	1.731	1.613	1.365	14.42	54.42	8.975	155-160	3.521	546.9	99.6,33.8
165	1.347	1.515	1.484	1.461	1.199	10.64	12.49	7.427	160-165	1.328	548.2	99.9,33.8
170	1.189	1.322	1.295	1.264	1.008	5.972	8.588	5.593	165-170	0.4954	548.7	100,33.9
175	1.060	1.127	1.107	1.069	0.8597	3.751	4.690	3.404	170-175	0.2073	548.9	100,33.9
180	0.9189	0.9189	0.9189	0.9189	0.7926	0.7926	0.7926	0.7926	175-180	0.0417	548.9	100,33.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

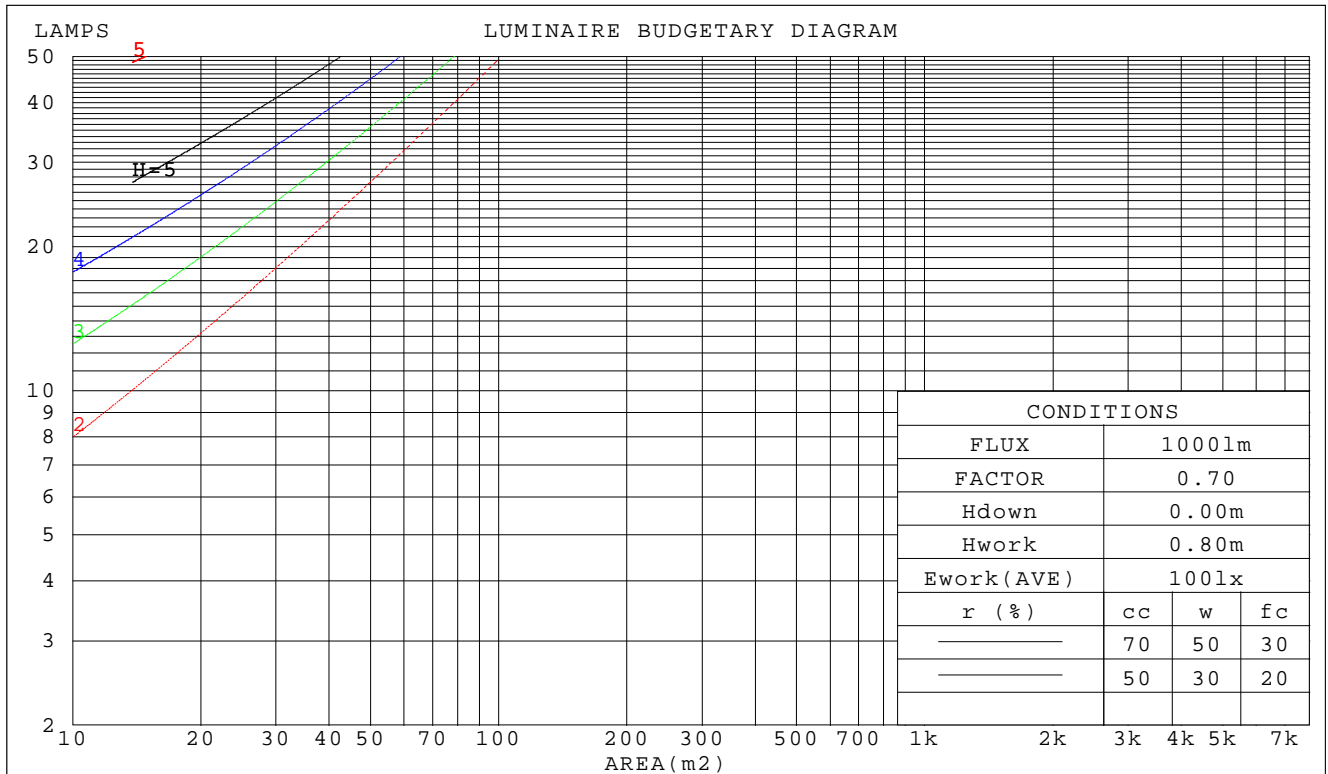
g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 30DEG
 Operators: LCZ
 Test Date: 2016-11-17

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity: 65.0%
 Test Distance: 6.172m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.125 .071 .022	.118 .067 .021	.105 .060 .019	.094 .054 .017	.083 .048 .015	
2.0	.113 .062 .019	.107 .059 .018	.095 .053 .016	.085 .047 .015	.075 .042 .013	
3.0	.102 .054 .016	.096 .052 .016	.086 .046 .014	.076 .042 .013	.067 .037 .011	
4.0	.092 .048 .014	.087 .046 .013	.077 .041 .012	.068 .037 .011	.060 .033 .010	
5.0	.084 .043 .012	.079 .041 .012	.070 .037 .011	.062 .033 .010	.054 .029 .009	
6.0	.077 .039 .011	.073 .037 .011	.064 .033 .010	.057 .029 .009	.049 .026 .008	
7.0	.071 .035 .010	.067 .033 .009	.059 .030 .009	.052 .027 .008	.045 .024 .007	
8.0	.065 .032 .009	.062 .030 .009	.055 .027 .008	.048 .024 .007	.042 .021 .006	
9.0	.061 .029 .008	.057 .028 .008	.051 .025 .007	.045 .022 .006	.039 .020 .006	
10.0	.057 .027 .008	.054 .026 .007	.047 .023 .007	.042 .021 .006	.036 .018 .005	

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.173 .173 .173	.148 .148 .148	.101 .101 .101	.058 .058 .058	.019 .019 .019	
1.0	.172 .163 .154	.147 .139 .132	.101 .096 .092	.058 .056 .053	.019 .018 .017	
2.0	.171 .155 .142	.146 .134 .123	.100 .092 .086	.058 .054 .050	.019 .017 .016	
3.0	.169 .150 .135	.145 .129 .117	.099 .090 .082	.057 .052 .048	.018 .017 .016	
4.0	.167 .146 .130	.143 .126 .113	.098 .088 .080	.057 .051 .047	.018 .017 .015	
5.0	.164 .143 .127	.141 .124 .111	.097 .086 .078	.056 .051 .046	.018 .017 .015	
6.0	.162 .140 .125	.139 .122 .109	.096 .085 .077	.056 .050 .046	.018 .016 .015	
7.0	.160 .138 .123	.137 .120 .108	.095 .084 .076	.055 .050 .045	.018 .016 .015	
8.0	.158 .137 .122	.136 .119 .107	.094 .083 .076	.055 .049 .045	.018 .016 .015	
9.0	.155 .135 .121	.134 .117 .106	.093 .082 .075	.054 .049 .045	.018 .016 .015	
10.0	.154 .134 .121	.132 .116 .105	.092 .082 .075	.054 .048 .045	.017 .016 .015	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

NAME: E41047-BZ					TYPE:					WEIGHT:				
DIM.:					SPEC.:					SERIAL No.:161117009				
MFR.: Maxim Light International Inc					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	-4.6	-3.4	-3.8	-2.6	-1.5	-4.0	-2.8	-3.2	-2.0	-1.0				
3H	-1.8	-0.7	-1.0	0.1	1.2	-1.4	-0.3	-0.5	0.6	1.6				
4H	-0.6	0.4	0.2	1.2	2.3	0.0	1.0	0.9	1.9	3.0				
6H	0.4	1.4	1.3	2.2	3.3	1.5	2.5	2.3	3.3	4.4				
8H	0.7	1.6	1.5	2.5	3.6	2.3	3.2	3.1	4.1	5.2				
12H	0.8	1.7	1.7	2.6	3.7	3.2	4.1	4.1	5.0	6.1				
4H 2H	-3.7	-2.7	-2.9	-1.8	-0.7	-3.3	-2.3	-2.5	-1.4	-0.4				
3H	-0.9	0.0	-0.0	0.9	2.0	-0.5	0.4	0.4	1.3	2.4				
4H	0.4	1.2	1.3	2.1	3.2	1.0	1.8	1.9	2.7	3.9				
6H	1.5	2.2	2.4	3.2	4.3	2.7	3.4	3.6	4.3	5.5				
8H	1.9	2.6	2.8	3.5	4.7	3.6	4.3	4.5	5.2	6.4				
12H	2.1	2.7	3.0	3.7	4.9	4.7	5.3	5.6	6.2	7.4				
8H 4H	0.9	1.6	1.9	2.5	3.7	1.5	2.1	2.4	3.1	4.2				
6H	2.3	2.9	3.2	3.8	5.0	3.4	3.9	4.3	4.9	6.1				
8H	2.9	3.3	3.8	4.3	5.5	4.5	5.0	5.5	5.9	7.2				
12H	3.3	3.7	4.3	4.7	5.9	5.8	6.2	6.7	7.2	8.4				
12H 4H	1.1	1.7	2.0	2.6	3.8	1.5	2.1	2.4	3.1	4.3				
6H	2.6	3.1	3.5	4.0	5.2	3.6	4.0	4.5	5.0	6.2				
8H	3.3	3.7	4.2	4.7	5.9	4.8	5.2	5.7	6.2	7.4				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1								
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3								
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.5								

CIE Pub.117 Corrected 1620 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

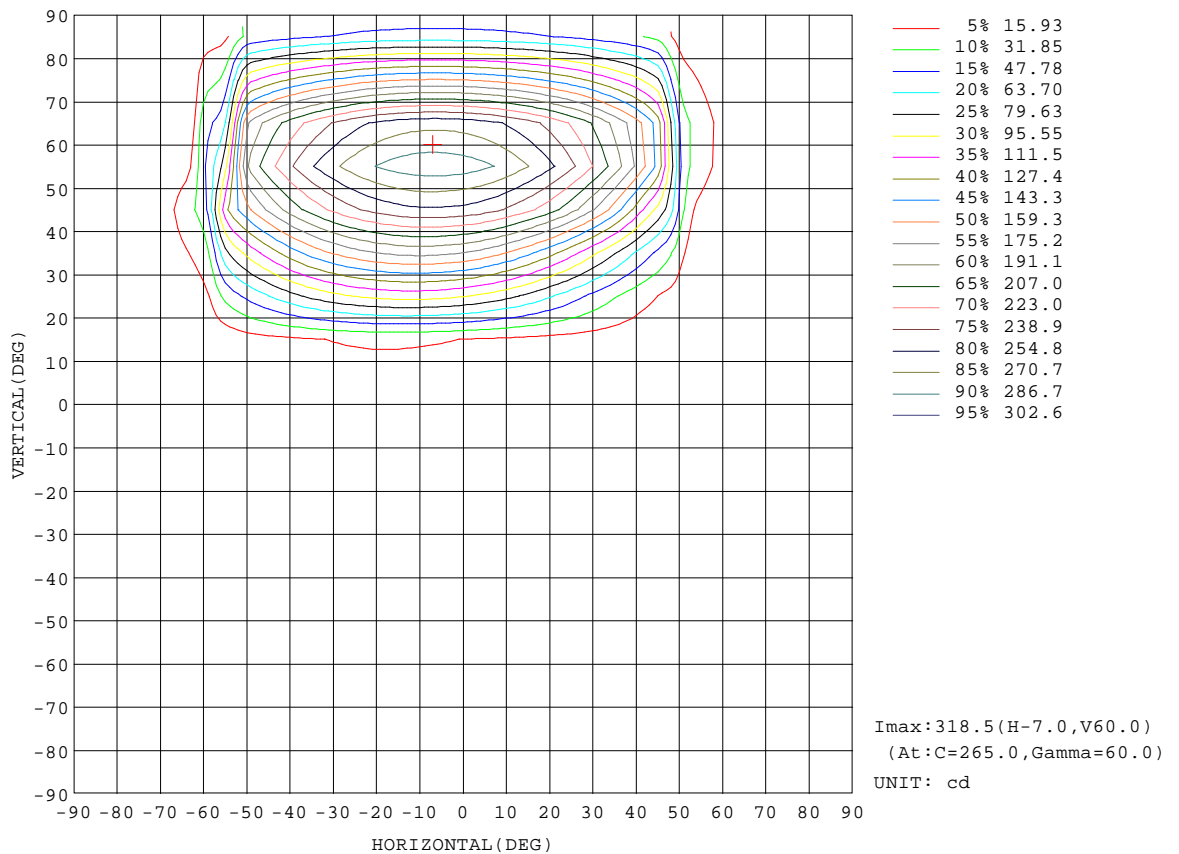
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	12	8	5	11	7	5	10	6	4	2
0.80	15	10	7	14	10	7	12	9	6	3
1.00	18	13	10	17	12	10	15	12	9	5
1.25	21	16	13	19	15	12	17	13	11	6
1.50	23	18	15	21	17	14	18	15	13	7
2.00	25	21	18	24	20	17	20	18	15	9
2.50	27	24	21	25	22	20	22	19	17	11
3.00	29	26	23	27	24	22	23	21	19	12
4.00	31	28	26	29	26	24	25	23	21	14
5.00	32	30	28	30	28	26	26	24	23	15
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:30DEG
 Operators:LCZ
 Test Date:2016-11-17

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:6.172m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

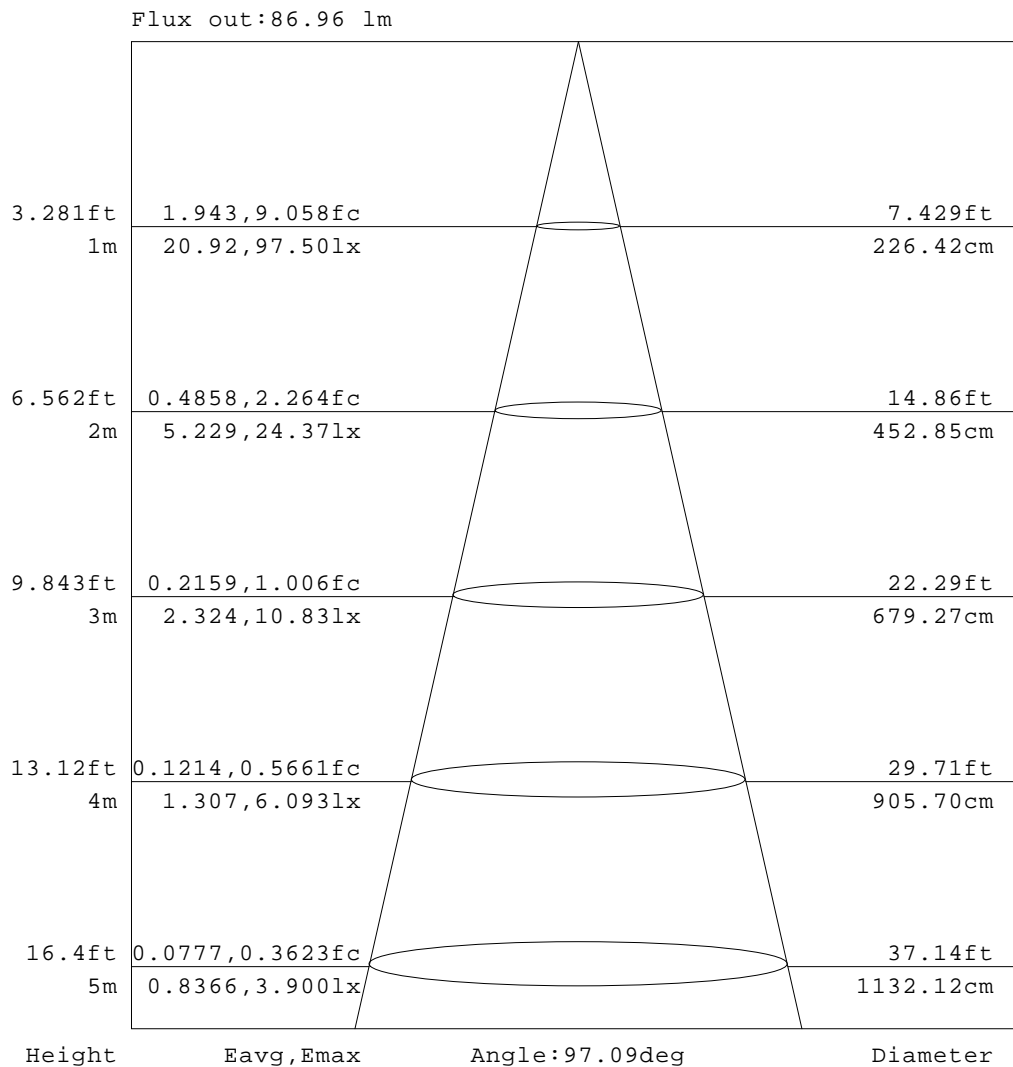


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

AAI Figure

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:



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

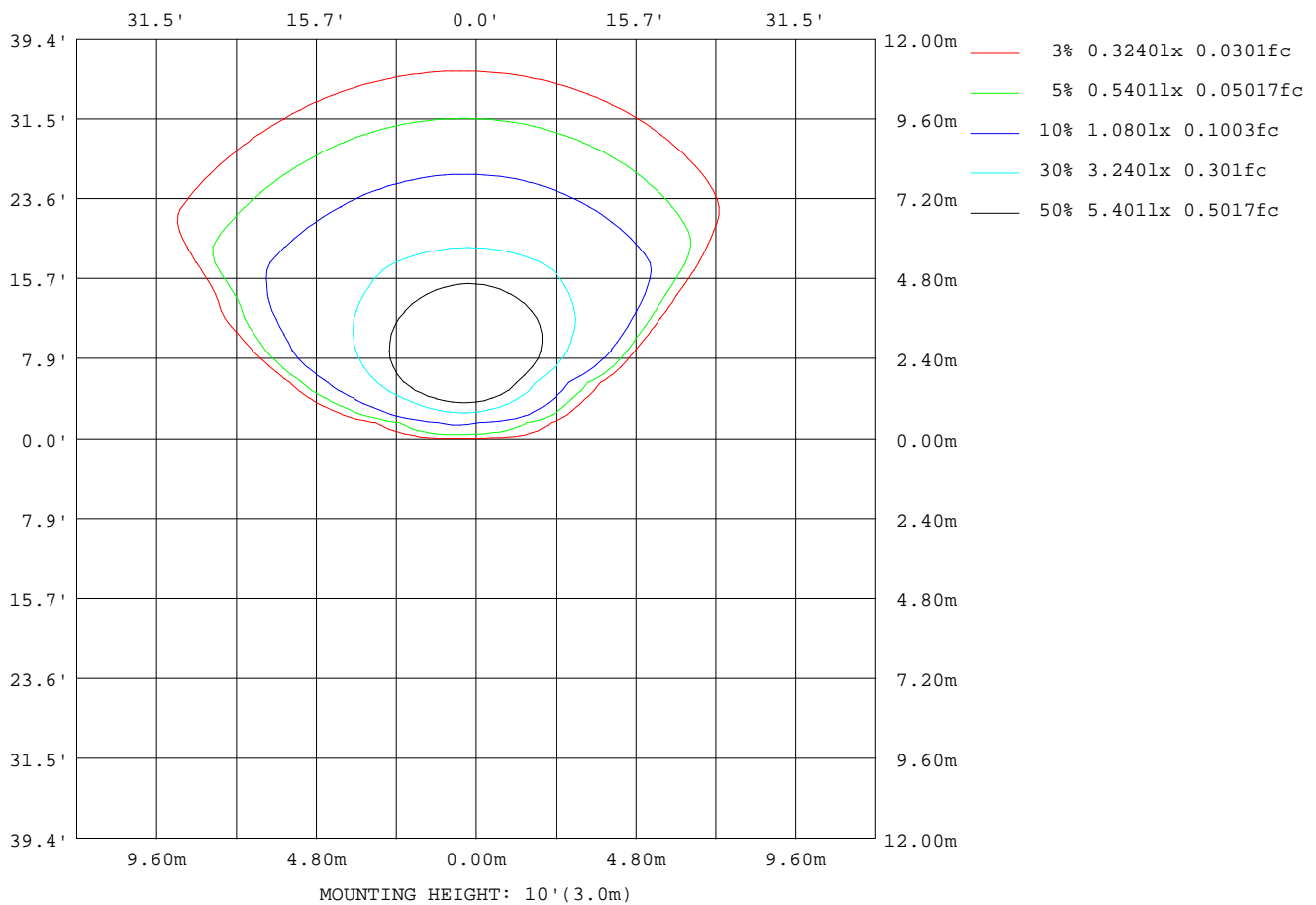
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

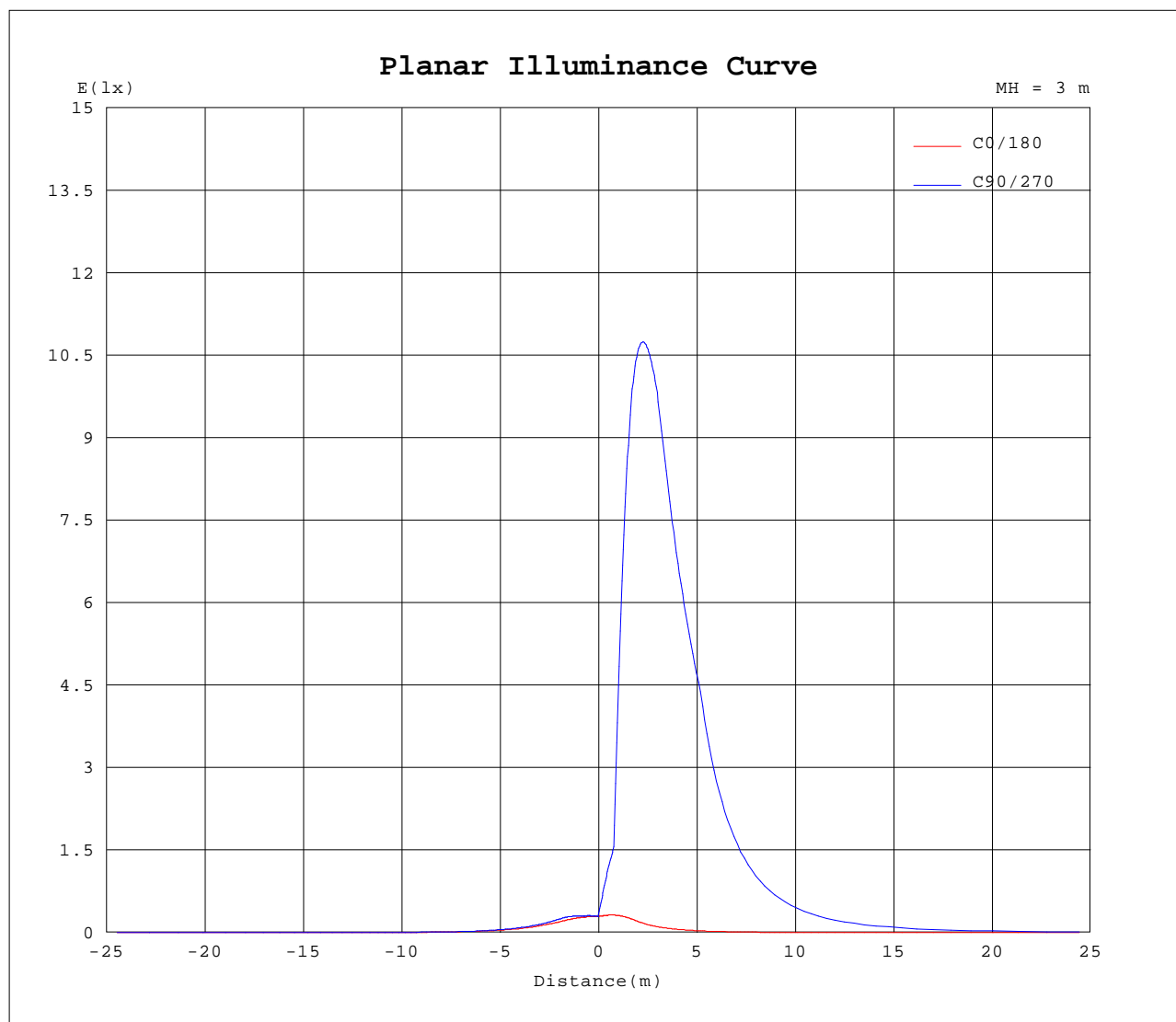
NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LCZ
Test Date: 2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 6.172m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: LCZ
Test Date: 2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69
5	2.70	2.71	2.73	2.74	2.75	2.76	2.77	2.78	2.78	2.79	2.79	2.80	2.80	2.80	2.80	2.80	2.81	2.81	2.81
10	2.74	2.77	2.80	2.83	2.86	2.88	2.90	2.92	2.93	2.94	2.95	2.96	2.95	2.95	2.95	2.94	2.94	2.93	2.93
15	2.82	2.87	2.92	2.96	3.00	3.04	3.06	3.09	3.11	3.13	3.14	3.14	3.14	3.13	3.12	3.10	3.08	3.06	3.05
20	2.92	2.98	3.05	3.10	3.16	3.21	3.25	3.28	3.31	3.34	3.36	3.37	3.38	3.38	3.38	3.37	3.36	3.34	3.32
25	3.00	3.08	3.16	3.24	3.31	3.38	3.44	3.49	3.52	3.56	3.59	3.62	3.64	3.65	3.65	3.64	3.64	3.62	3.58
30	3.07	3.16	3.24	3.33	3.41	3.50	3.57	3.62	3.68	3.73	3.78	3.82	3.86	3.90	3.91	3.91	3.91	3.90	3.85
35	3.10	3.20	3.30	3.39	3.49	3.57	3.62	3.68	3.76	3.84	3.92	4.00	4.00	3.99	3.98	3.95	3.93	3.91	3.86
40	3.19	3.28	3.37	3.46	3.54	3.60	3.66	3.73	3.80	3.87	3.90	3.93	3.95	3.94	3.95	3.94	3.92	3.91	3.86
45	3.21	3.31	3.41	3.51	3.58	3.64	3.70	3.76	3.77	3.78	3.81	3.85	3.87	3.89	3.90	3.91	3.92	3.91	3.87
50	3.21	3.32	3.43	3.53	3.60	3.68	3.73	3.72	3.70	3.70	3.73	3.77	3.80	3.84	3.88	3.92	3.93	3.91	3.86
55	3.20	3.32	3.44	3.55	3.63	3.69	3.67	3.66	3.65	3.64	3.64	3.66	3.72	3.79	3.86	3.93	3.95	3.91	3.85
60	3.18	3.31	3.44	3.56	3.65	3.60	3.59	3.58	3.54	3.52	3.52	3.54	3.62	3.73	3.83	3.93	3.97	3.91	3.83
65	3.14	3.29	3.41	3.54	3.48	3.45	3.41	3.36	3.34	3.36	3.39	3.43	3.43	3.52	3.59	3.64	3.67	3.61	3.54
70	2.87	3.04	3.16	3.16	3.18	3.07	3.03	3.05	3.08	3.10	3.10	3.11	3.10	3.19	3.26	3.31	3.34	3.31	3.24
75	2.37	2.56	2.60	2.45	2.40	2.38	2.51	2.64	2.68	2.73	2.76	2.78	2.78	2.87	2.93	2.97	3.01	3.00	2.94
80	1.82	1.81	1.96	1.84	1.75	1.81	2.03	2.20	2.28	2.36	2.42	2.46	2.47	2.55	2.61	2.65	2.69	2.69	2.64
85	0.78	0.67	0.96	1.29	1.32	1.42	1.60	1.76	1.89	1.99	2.07	2.14	2.16	2.24	2.29	2.32	2.36	2.37	2.34
90	0.25	0.58	0.71	0.76	0.91	1.06	1.22	1.35	1.50	1.62	1.73	1.82	1.86	1.94	1.97	1.99	2.03	2.06	2.05
95	0.93	1.03	1.08	1.17	1.26	1.35	1.49	1.63	1.76	1.89	2.01	2.09	2.13	2.21	2.25	2.27	2.30	2.33	2.31
100	1.64	1.66	1.65	1.62	1.63	1.66	1.79	1.92	2.04	2.17	2.29	2.37	2.41	2.48	2.52	2.54	2.56	2.59	2.57
105	2.13	2.12	2.12	2.08	1.97	2.01	2.11	2.23	2.34	2.46	2.58	2.66	2.69	2.77	2.80	2.82	2.84	2.85	2.83
110	2.34	2.38	2.38	2.36	2.32	2.30	2.37	2.51	2.65	2.77	2.88	2.95	2.97	3.06	3.08	3.09	3.11	3.12	3.09
115	2.40	2.47	2.51	2.53	2.46	2.51	2.59	2.64	2.76	2.93	3.11	3.24	3.26	3.36	3.35	3.36	3.39	3.38	3.35
120	2.28	2.37	2.45	2.48	2.53	2.59	2.65	2.71	2.80	2.93	3.07	3.19	3.30	3.45	3.51	3.56	3.62	3.63	3.61
125	2.23	2.32	2.40	2.45	2.54	2.61	2.64	2.70	2.79	2.90	3.02	3.13	3.23	3.30	3.38	3.41	3.43	3.42	3.39
130	2.13	2.22	2.31	2.41	2.48	2.54	2.61	2.66	2.74	2.84	2.95	3.05	3.11	3.16	3.25	3.25	3.23	3.21	3.18
135	2.00	2.11	2.20	2.29	2.36	2.43	2.51	2.58	2.65	2.74	2.82	2.89	2.94	3.01	3.07	3.06	3.02	2.99	2.97
140	1.88	1.97	2.06	2.15	2.23	2.30	2.37	2.44	2.53	2.61	2.66	2.72	2.75	2.79	2.80	2.78	2.75	2.73	2.72
145	1.79	1.87	1.96	2.03	2.09	2.14	2.22	2.29	2.36	2.42	2.48	2.52	2.52	2.53	2.52	2.50	2.49	2.48	2.47
150	1.70	1.77	1.83	1.89	1.94	1.99	2.04	2.11	2.17	2.22	2.26	2.26	2.27	2.26	2.25	2.23	2.23	2.22	2.22
155	1.62	1.67	1.73	1.77	1.82	1.85	1.89	1.91	1.95	1.98	1.99	2.00	2.00	2.00	1.99	1.98	1.98	1.98	1.98
160	1.48	1.53	1.58	1.62	1.66	1.68	1.71	1.72	1.72	1.72	1.72	1.73	1.74	1.74	1.74	1.74	1.73	1.73	1.73
165	1.35	1.38	1.41	1.44	1.47	1.49	1.50	1.51	1.51	1.52	1.51	1.51	1.51	1.51	1.50	1.50	1.49	1.49	1.48
170	1.19	1.21	1.24	1.26	1.27	1.29	1.30	1.31	1.32	1.32	1.33	1.33	1.33	1.32	1.32	1.31	1.31	1.30	1.30
175	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.12	1.12	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12	1.11	1.11
180	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69
5	2.81	2.82	2.82	2.82	2.83	2.83	2.84	2.84	2.84	2.84	2.84	2.84	2.85	2.85	2.84	2.84	2.84	2.83	3.24
10	2.93	2.93	2.93	2.93	2.94	2.94	2.95	2.95	2.96	2.97	2.98	2.99	3.00	3.01	3.02	3.03	3.03	3.03	3.88
15	3.04	3.03	3.02	3.01	3.01	3.01	3.01	3.03	3.05	3.06	3.08	3.09	3.12	3.14	3.16	3.18	3.20	3.22	4.55
20	3.29	3.27	3.24	3.21	3.18	3.16	3.12	3.08	3.06	3.08	3.11	3.14	3.18	3.22	3.26	3.30	3.34	3.38	5.18
25	3.55	3.52	3.48	3.45	3.42	3.37	3.31	3.26	3.20	3.14	3.08	3.12	3.17	3.23	3.29	3.35	3.41	3.47	5.68
30	3.80	3.75	3.72	3.69	3.62	3.55	3.48	3.40	3.33	3.25	3.18	3.12	3.13	3.18	3.24	3.30	3.35	3.42	5.96
35	3.81	3.78	3.76	3.74	3.70	3.66	3.61	3.51	3.42	3.32	3.24	3.16	3.08	3.07	3.11	3.15	3.19	3.24	6.02
40	3.82	3.78	3.76	3.72	3.66	3.61	3.56	3.50	3.44	3.35	3.25	3.15	3.06	2.97	2.96	2.97	2.98	3.00	5.96
45	3.82	3.78	3.75	3.69	3.62	3.56	3.49	3.41	3.35	3.29	3.23	3.12	3.01	2.93	2.86	2.85	2.85	2.86	5.90
50	3.80	3.75	3.71	3.64	3.57	3.50	3.41	3.33	3.26	3.19	3.12	3.05	2.96	2.88	2.80	2.76	2.75	2.76	5.64
55	3.77	3.72	3.66	3.59	3.51	3.42	3.30	3.23	3.18	3.10	3.01	2.94	2.89	2.81	2.74	2.68	2.66	2.66	4.33
60	3.75	3.68	3.62	3.54	3.44	3.32	3.17	3.08	3.01	2.96	2.89	2.81	2.76	2.73	2.67	2.61	2.62	2.66	3.69
65	3.46	3.41	3.37	3.32	3.26	3.13	3.03	2.92	2.85	2.75	2.67	2.63	2.56	2.55	2.57	2.54	2.55	2.61	3.43
70	3.17	3.12	3.08	3.03	2.96	2.82	2.73	2.65	2.60	2.51	2.38	2.28	2.25	2.26	2.24	2.22	2.18	2.21	3.02
75	2.88	2.84	2.79	2.74	2.67	2.54	2.44	2.35	2.26	2.16	2.03	1.89	1.76	1.70	1.68	1.65	1.67	1.61	1.92
80	2.59	2.55	2.51	2.45	2.38	2.26	2.16	2.05	1.94	1.81	1.68	1.53	1.35	1.09	0.96	0.96	1.02	0.99	1.14
85	2.30	2.27	2.22	2.17	2.09	1.99	1.88	1.76	1.62	1.48	1.36	1.21	1.04	0.82	0.67	0.49	0.41	0.36	0.63
90	2.01	1.98	1.94	1.89	1.81	1.72	1.61	1.48	1.32	1.16	1.06	0.92	0.79	0.64	0.63	0.67	0.68	0.39	0.38
95	2.27	2.24	2.19	2.13	2.06	1.97	1.86	1.75	1.62	1.48	1.37	1.26	1.16	1.09	1.04	1.08	0.99	0.97	1.13
100	2.53	2.50	2.45	2.38	2.31	2.22	2.13	2.02	1.93	1.81	1.70	1.61	1.55	1.54	1.48	1.44	1.39	0.99	1.83
105	2.79	2.76	2.71	2.64	2.56	2.48	2.40	2.31	2.25	2.15	2.04	1.97	1.90	1.83	1.79	1.75	1.65	2.09	2.92
110	3.05	3.02	2.97	2.89	2.81	2.75	2.68	2.59	2.55	2.50	2.32	2.15	2.10	2.06	2.00	1.96	1.93	2.38	3.04
115	3.31	3.28	3.23	3.15	3.07	3.01	2.95	2.80	2.66	2.53	2.37	2.23	2.19	2.14	2.08	2.04	2.11	2.29	3.59
120	3.57	3.50	3.42	3.30	3.16	3.04	2.90	2.76	2.62	2.50	2.38	2.28	2.22	2.20	2.14	2.10	2.21	2.33	3.83
125	3.35	3.30	3.24	3.15	3.04	2.94	2.83	2.70	2.58	2.46	2.38	2.30	2.24	2.19	2.16	2.15	2.24	2.18	3.90
130	3.14	3.10	3.06	2.99	2.92	2.84	2.75	2.63	2.52	2.42	2.34	2.28	2.21	2.15	2.11	2.13	2.17	2.02	4.80
135	2.93	2.89	2.86	2.81	2.75	2.68	2.61	2.52	2.42	2.34	2.28	2.21	2.14	2.07	2.02	2.07	2.12	1.86	4.77
140	2.70	2.68	2.65	2.61	2.57	2.51	2.44	2.38	2.30	2.23	2.17	2.11	2.05	1.99	1.98	1.99	2.00	1.74	4.53
145	2.46	2.45	2.43	2.41	2.38	2.33	2.27	2.22	2.16	2.09	2.03	1.98	1.92	1.89	1.90	1.90	1.90	1.64	4.29
150	2.22	2.21	2.21	2.19	2.16	2.13	2.09	2.04	1.99	1.94	1.89	1.83	1.80	1.79	1.78	1.77	1.76	1.56	3.96
155	1.97	1.96	1.96	1.95	1.93	1.91	1.88	1.85	1.81	1.76	1.72	1.71	1.71	1.70	1.69	1.68	1.67	1.47	3.22
160	1.72	1.71	1.70	1.69	1.68	1.67	1.65	1.63	1.61	1.60	1.60	1.59	1.59	1.58	1.57	1.55	1.53	1.36	2.46
165	1.48	1.47	1.46	1.45	1.46	1.45	1.46	1.46	1.46	1.45	1.45	1.44	1.43	1.42	1.41	1.39	1.37	1.20	2.42
170	1.29	1.29	1.28	1.28	1.27	1.27	1.27	1.27	1.26	1.26	1.26	1.26	1.25	1.24	1.23	1.21	1.20	1.01	1.78
175	1.11	1.10	1.10	1.10	1.09	1.09	1.08	1.07	1.07	1.06	1.05	1.05	1.04	1.03	1.02	1.00	0.99	0.86	1.22
180	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.79	0.79

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69
5	3.64	4.03	4.40	4.77	5.11	5.43	5.73	6.00	6.24	6.45	6.63	6.77	6.89	6.97	7.01	7.02	6.99	6.94	6.86
10	4.73	5.55	6.34	7.10	7.82	8.49	9.10	9.65	10.1	10.5	10.9	11.1	11.3	11.4	11.4	11.4	11.3	11.1	10.9
15	5.86	7.14	8.38	9.57	10.7	11.7	12.7	13.5	14.2	14.9	15.4	15.7	15.9	16.0	16.0	15.9	15.6	15.3	14.8
20	6.97	8.72	10.4	12.1	13.6	15.0	16.3	17.5	22.8	31.3	38.7	44.8	49.6	53.2	55.4	56.4	56.1	54.5	51.7
25	7.89	10.1	12.2	14.3	16.3	18.2	32.2	45.3	57.2	67.8	76.9	84.5	90.4	94.5	96.8	97.5	96.5	93.8	89.4
30	8.52	11.1	13.6	16.2	26.3	44.3	61.3	77.1	91.5	104	115	124	131	136	139	139	137	133	126
35	8.84	11.7	14.6	27.2	48.9	69.9	89.8	108	125	141	152	161	169	173	176	176	175	170	163
40	8.98	12.1	21.2	45.9	70.4	94.4	117	138	156	171	184	195	203	209	213	214	212	208	201
45	9.02	12.2	35.9	62.7	89.9	117	142	164	183	201	216	228	238	245	249	251	250	246	239
50	8.73	21.1	47.9	76.4	107	137	164	189	212	231	245	256	264	270	273	273	272	268	261
55	6.59	28.3	56.0	87.4	123	157	188	215	234	250	264	276	285	291	295	296	294	290	282
60	7.20	27.4	59.6	101	141	178	206	230	250	268	284	296	306	313	317	318	316	311	304
65	6.41	13.4	44.9	111	152	189	219	245	268	282	280	277	275	272	269	266	263	261	257
70	5.06	13.9	31.1	65.6	112	199	230	229	227	225	223	222	220	218	216	213	211	209	206
75	2.66	7.65	13.7	39.7	59.0	136	170	170	170	169	167	167	165	164	162	160	159	157	155
80	1.25	1.29	1.50	8.98	37.1	67.5	112	113	113	112	112	111	111	110	108	107	106	105	104
85	0.74	0.88	1.04	1.71	18.1	27.5	55.6	56.6	56.6	56.4	56.0	56.3	55.9	55.4	54.9	54.3	53.7	53.1	52.4
90	0.61	0.65	0.74	0.80	0.82	0.68	0.60	0.58	0.58	0.55	0.55	1.28	1.27	1.27	1.27	1.27	1.29	1.36	1.39
95	1.07	1.22	3.93	16.5	18.6	28.5	50.6	56.6	56.5	27.4	19.7	20.3	20.2	20.1	20.0	19.8	19.6	19.5	19.2
100	2.16	4.17	18.0	33.9	37.6	79.0	86.4	113	112	49.5	38.9	39.4	39.2	39.0	38.8	38.4	38.0	37.6	37.0
105	5.89	15.5	31.3	47.4	58.2	151	167	171	157	64.9	58.2	58.5	58.2	57.9	57.5	57.0	56.4	55.7	54.8
110	5.93	14.9	31.6	72.0	99.8	197	200	229	184	79.0	77.7	77.7	77.3	76.8	76.2	75.5	74.7	73.8	72.8
115	5.88	11.9	49.5	83.0	154	189	220	236	195	98.1	97.2	96.9	96.3	95.6	94.9	94.0	93.1	92.0	90.7
120	7.76	27.9	56.5	89.0	133	179	194	216	156	125	114	121	124	119	116	113	111	111	111
125	6.00	24.7	24.4	73.0	123	157	188	213	143	167	134	152	171	167	162	159	157	156	155
130	7.88	18.4	46.5	75.1	105	136	164	153	161	154	185	212	219	214	209	205	203	201	200
135	7.70	10.7	34.3	61.2	88.5	116	131	123	160	129	173	227	234	243	248	249	248	244	238
140	7.34	10.2	19.2	44.0	68.5	91.0	91.9	133	95.4	139	177	191	189	207	212	213	212	208	201
145	6.94	9.62	12.3	24.2	38.6	65.4	78.1	61.7	106	139	150	139	150	173	176	177	175	171	165
150	6.35	8.70	11.0	13.2	20.7	26.7	42.7	70.3	88.0	102	98.0	99.4	125	136	139	140	138	135	129
155	4.78	5.95	7.33	9.26	10.8	10.6	26.1	42.0	53.1	55.5	61.7	76.7	87.9	92.7	96.2	97.1	96.3	93.9	89.8
160	3.59	4.82	6.33	8.40	10.4	12.0	13.3	14.4	18.8	26.1	34.5	40.6	45.8	50.8	53.5	54.6	54.4	52.9	50.2
165	3.63	4.82	5.97	7.08	8.14	9.12	10.00	10.6	10.8	10.4	10.2	11.2	12.5	12.9	12.8	12.7	12.5	12.2	11.7
170	2.52	3.22	3.85	4.40	4.84	5.16	5.54	5.97	6.63	7.32	8.02	8.39	8.58	8.66	8.69	8.67	8.59	8.43	8.22
175	1.58	1.93	2.27	2.60	2.92	3.23	3.51	3.75	3.97	4.16	4.32	4.45	4.56	4.64	4.69	4.70	4.69	4.65	4.57
180	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:6.172m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: E41047-BZ	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:161117009
MFR.: Maxim Light International Inc	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69				
5	6.75	6.61	6.44	6.25	6.03	5.80	5.54	5.27	4.99	4.69	4.37	4.05	3.72	3.38	3.04				
10	10.6	10.3	9.92	9.49	9.04	8.56	8.04	7.51	6.95	6.38	5.80	5.20	4.59	3.98	3.36				
15	14.3	13.7	13.1	12.4	11.7	11.0	10.2	9.42	8.62	7.81	6.99	6.17	5.33	4.50	3.66				
20	47.8	43.0	37.3	30.9	24.0	16.6	12.1	11.0	10.0	8.97	7.94	6.93	5.92	4.92	3.92				
25	83.6	76.6	68.6	59.8	50.3	40.5	30.6	20.7	11.1	9.86	8.66	7.49	6.34	5.22	4.11				
30	118	109	97.7	85.7	73.2	60.7	48.5	36.7	25.4	14.7	9.14	7.84	6.60	5.40	4.22				
35	154	142	128	111	92.6	77.2	62.3	48.3	35.3	23.7	13.4	7.95	6.65	5.43	4.25				
40	191	178	162	143	123	99.4	74.4	55.3	41.0	28.7	18.4	9.60	6.43	5.20	4.15				
45	228	214	197	177	154	128	99.7	71.0	42.9	29.8	19.5	11.3	5.06	4.17	3.61				
50	251	240	225	208	185	156	125	92.4	60.4	31.6	18.5	10.8	5.31	3.52	3.34				
55	272	259	244	226	203	178	148	111	75.3	44.4	18.0	7.77	4.44	3.29	3.23				
60	293	280	264	244	221	194	162	124	85.5	44.5	13.0	5.44	4.02	3.31	3.17				
65	254	250	247	242	236	212	179	138	72.7	23.7	9.48	5.33	3.94	3.36	3.10				
70	203	200	196	192	186	179	168	131	44.8	21.8	9.49	5.09	3.88	3.18	2.88				
75	152	150	147	143	138	132	121	68.5	30.7	19.7	9.34	4.35	3.50	2.72	2.45				
80	102	100	98.0	94.9	91.2	86.5	77.5	34.5	17.9	10.5	5.07	2.51	2.38	2.20	1.96				
85	51.6	50.6	49.6	47.6	45.7	43.1	37.7	14.2	8.36	4.64	2.17	1.38	1.42	1.35	1.16				
90	1.39	1.36	1.42	0.68	0.71	0.68	0.53	0.49	0.46	0.39	0.40	0.41	0.47	0.48	0.12				
95	18.9	18.7	41.2	47.4	45.7	43.1	29.6	12.4	8.81	5.10	2.28	1.16	1.09	1.09	1.05				
100	36.3	36.0	77.5	94.5	91.1	86.5	66.2	25.5	18.7	11.5	5.32	2.30	1.92	1.83	1.79				
105	53.9	53.3	107	142	138	131	115	45.7	31.6	21.4	10.1	4.29	3.15	2.40	2.16				
110	71.5	70.6	121	190	186	178	168	90.4	42.7	23.3	10.1	4.71	3.49	2.72	2.34				
115	89.3	88.1	121	231	235	212	178	129	62.1	23.6	10.4	5.20	3.56	2.80	2.44				
120	112	113	124	221	222	197	163	132	93.5	42.7	12.0	5.12	3.57	2.67	2.44				
125	155	156	157	199	206	183	156	106	79.9	46.2	13.4	5.30	3.63	2.60	2.43				
130	199	199	199	202	189	162	131	98.2	60.0	29.1	17.1	8.95	3.90	2.70	2.46				
135	228	215	199	180	158	134	106	76.5	46.9	31.4	19.0	8.76	3.22	2.79	2.44				
140	192	180	165	148	129	106	81.7	61.1	44.5	30.0	17.7	7.23	3.93	3.15	2.53				
145	157	146	133	117	100.0	83.6	67.1	51.7	37.1	23.7	11.5	5.41	4.42	3.51	2.66				
150	121	112	101	89.5	76.9	63.8	50.5	37.0	23.5	11.9	6.18	5.30	4.39	3.48	2.58				
155	84.3	77.4	69.4	60.4	50.7	40.4	29.7	18.7	7.87	6.72	5.45	4.31	3.44	2.84	2.20				
160	46.4	41.5	35.6	29.0	21.6	13.7	8.98	8.09	7.21	6.32	5.44	4.58	3.75	2.95	2.14				
165	11.2	10.6	10.0	9.41	8.76	8.10	7.43	6.75	6.07	5.38	4.69	3.99	3.29	2.59	1.89				
170	7.95	7.64	7.28	6.90	6.49	6.05	5.59	5.13	4.65	4.15	3.65	3.14	2.62	2.10	1.57				
175	4.47	4.35	4.20	4.03	3.84	3.63	3.40	3.16	2.91	2.65	2.37	2.09	1.80	1.51	1.21				
180	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:LCZ
Test Date:2016-11-17

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
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Remarks: