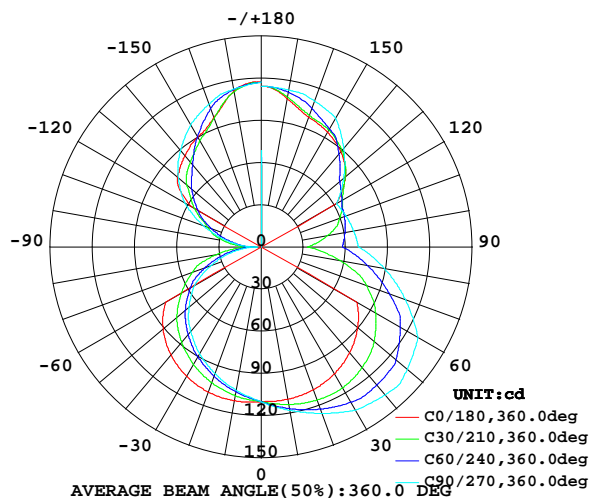


LUMINAIRE PHOTOMETRIC TEST REPORT

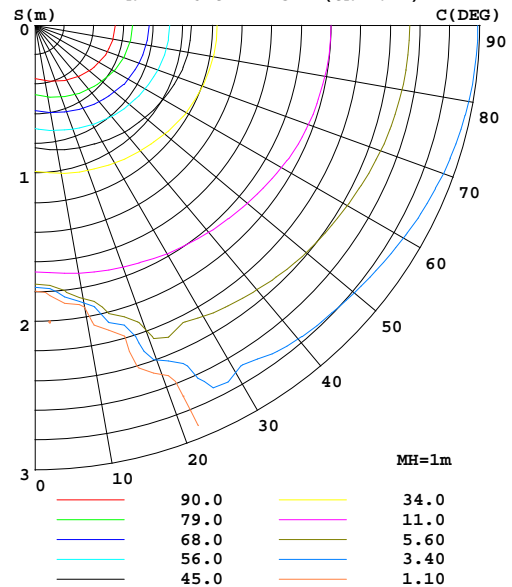
NAME: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 47.74 lm/W
MODEL	EDS2835	I _{max} (cd)	138.8	S/MH(C0/180)	1.42	
NOMINAL POWER(W)	15	LOR(%)	46.1	S/MH(C90/270)	1.85	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	830.61	h UP,DN(C0-180)	11.3,15.7	
NOMINAL FLUX(lm)	1800	CIE CLASS	DIFFUSE	h UP,DN(C180-360)	9.5,9.7	
LAMPS INSIDE	1	h up(%)	20.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	120.5	h down(%)	25.4	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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	110.1	112.8	114.0	113.3	110.7	108.1	106.7	107.6	0- 5	2.637	2.637	0.32,0.15
10	109.9	115.4	117.9	116.3	111.1	105.8	103.4	105.1	5- 10	7.910	10.55	1.27,0.59
15	109.3	117.7	121.9	118.9	110.8	103.2	100.1	102.3	10- 15	13.12	23.67	2.85,1.31
20	108.2	119.7	125.9	121.2	109.9	100.2	96.01	99.30	15- 20	18.18	41.84	5.04,2.32
25	106.5	121.0	130.0	122.9	108.4	96.72	91.95	95.75	20- 25	22.99	64.83	7.81,3.6
30	104.2	121.7	134.0	123.9	106.2	92.90	87.89	91.92	25- 30	27.46	92.29	11.1,5.13
35	101.4	121.7	135.6	124.3	103.5	88.82	83.06	87.89	30- 35	31.47	123.8	14.9,6.88
40	98.02	120.8	137.2	123.7	100.1	84.42	78.22	83.60	35- 40	34.84	158.6	19.1,8.81
45	94.08	117.8	138.8	120.7	95.99	79.20	73.39	78.61	40- 45	37.55	196.1	23.6,10.9
50	89.59	114.3	135.5	117.2	91.13	73.73	67.26	73.45	45- 50	39.45	235.6	28.4,13.1
55	84.49	110.4	132.1	113.2	85.42	68.00	61.14	68.11	50- 55	40.32	275.9	33.2,15.3
60	78.49	103.5	128.8	106.2	78.36	61.71	55.01	62.11	55- 60	40.30	316.2	38.1,17.6
65	0	96.98	118.9	99.53	0	55.48	46.35	56.19	60- 65	35.22	351.4	42.3,19.5
70	0	88.48	109.0	90.81	0	47.62	37.68	48.39	65- 70	29.36	380.8	45.8,21.2
75	0	77.32	99.05	79.50	0	37.46	29.01	37.81	70- 75	25.14	405.9	48.9,22.6
80	0	66.37	89.13	68.44	0	27.15	20.34	26.97	75- 80	20.57	426.5	51.4,23.7
85	0	55.64	79.22	57.60	0	16.70	11.67	15.96	80- 85	17.05	443.6	53.4,24.6
90	0	45.25	69.31	47.13	0	6.181	3.002	4.826	85- 90	13.33	456.9	55,25.4
95	0	49.36	68.08	50.74	0	12.79	13.01	16.78	90- 95	12.47	469.4	56.5,26.1
100	0	53.65	66.85	54.46	0	19.57	23.03	28.65	95-100	14.48	483.8	58.3,26.9
105	0	57.81	65.62	57.87	0	26.34	33.04	40.44	100-105	16.31	500.2	60.2,27.8
110	0	61.62	64.39	60.85	0	32.68	43.05	52.06	105-110	19.00	519.2	62.5,28.8
115	0	64.41	63.17	62.85	0	41.61	53.07	61.68	110-115	21.54	540.7	65.1,30
120	61.84	66.81	61.94	64.41	58.22	50.94	63.08	69.85	115-120	25.65	566.3	68.2,31.5
125	70.43	69.48	69.37	66.16	70.61	60.48	70.05	77.62	120-125	29.83	596.2	71.8,33.1
130	78.32	75.95	76.81	72.20	78.13	66.23	77.03	80.75	125-130	30.66	626.8	75.5,34.8
135	84.07	82.95	84.24	78.59	81.36	71.55	84.00	83.63	130-135	30.89	657.7	79.2,36.5
140	88.46	90.10	91.56	83.53	84.68	76.21	89.52	86.62	135-140	30.44	688.2	82.8,38.2
145	91.83	93.66	98.88	86.16	87.99	80.84	95.04	88.94	140-145	29.18	717.3	86.4,39.9
150	94.52	95.97	106.2	89.44	90.54	86.52	100.6	91.43	145-150	27.14	744.5	89.6,41.4
155	96.65	98.57	108.5	94.36	93.02	93.46	104.5	95.00	150-155	24.28	768.8	92.6,42.7
160	98.54	102.3	110.8	100.1	98.36	101.5	108.5	100.0	155-160	20.93	789.7	95.1,43.9
165	102.1	105.9	113.0	105.3	105.0	107.9	112.5	105.1	160-165	17.20	806.9	97.1,44.8
170	107.3	110.0	113.5	109.8	112.8	112.9	114.1	110.3	165-170	12.92	819.8	98.7,45.5
175	112.5	113.4	114.0	112.7	116.8	116.1	115.7	114.7	170-175	8.060	827.9	99.7,46
180	114.5	114.5	114.5	114.5	117.3	117.3	117.3	117.3	175-180	2.750	830.6	100,46.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:HCZ
 Test Date:2017-10-31

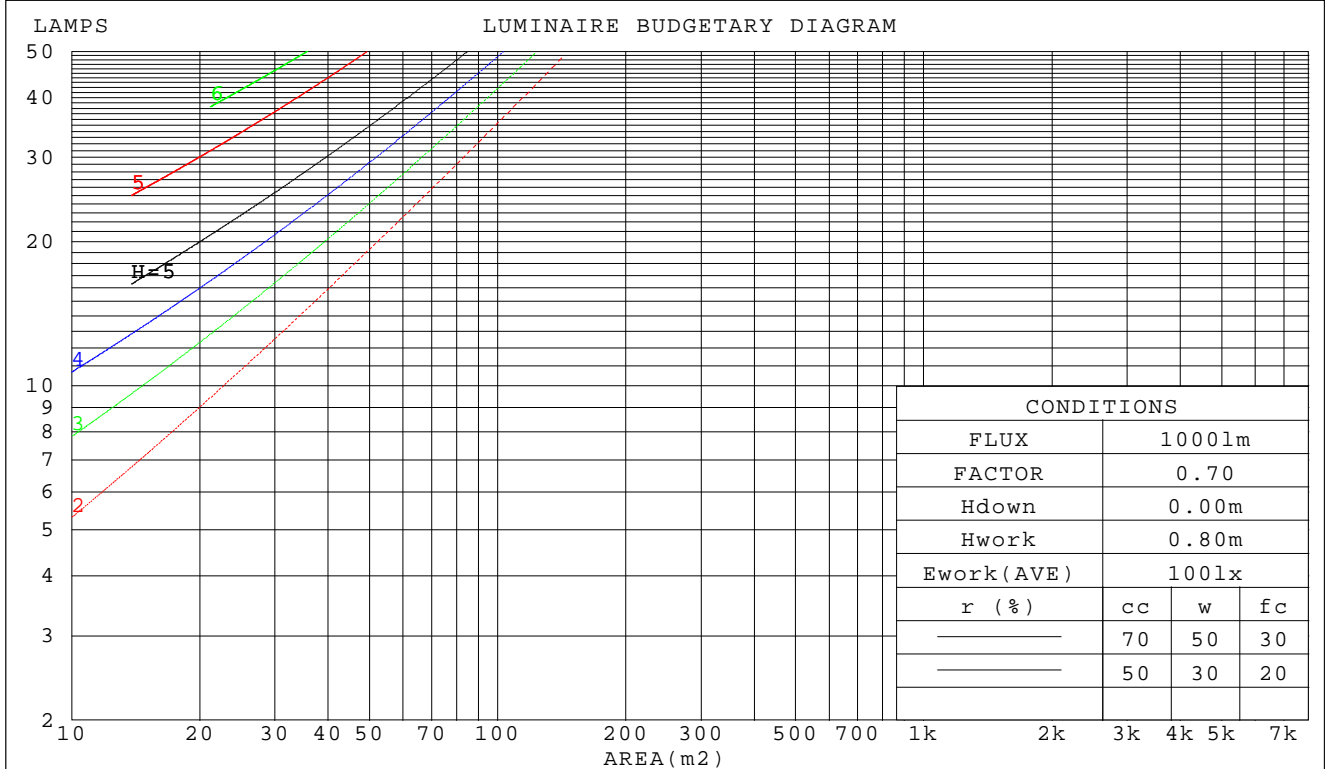
g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:6.172m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	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 Coefficients of Utilization(CU)															
0.0	.50	.50	.50	.46	.46	.46	.40	.40	.40	.34	.34	.34	.28	.28	.28	.25
1.0	.43	.40	.39	.39	.38	.36	.34	.32	.31	.28	.27	.26	.24	.23	.22	.20
2.0	.37	.33	.31	.34	.31	.29	.29	.27	.25	.24	.23	.21	.20	.19	.18	.16
3.0	.32	.28	.25	.30	.26	.24	.25	.23	.21	.21	.19	.18	.18	.16	.15	.13
4.0	.28	.24	.21	.26	.22	.20	.22	.19	.17	.19	.17	.15	.15	.14	.12	.11
5.0	.25	.21	.18	.23	.19	.17	.20	.17	.15	.17	.14	.13	.14	.12	.11	.09
6.0	.22	.18	.15	.21	.17	.14	.18	.15	.13	.15	.13	.11	.12	.11	.09	.08
7.0	.20	.16	.13	.18	.15	.12	.16	.13	.11	.13	.11	.09	.11	.09	.08	.07
8.0	.18	.14	.12	.17	.13	.11	.14	.12	.10	.12	.10	.08	.10	.08	.07	.06
9.0	.16	.13	.10	.15	.12	.10	.13	.10	.09	.11	.09	.07	.09	.08	.06	.05
10.0	.15	.11	.09	.14	.11	.09	.12	.09	.08	.10	.08	.07	.09	.07	.06	.05



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:HCZ
 Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	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	.151 .086 .027	.141 .081 .026	.123 .071 .023	.107 .062 .020	.092 .053 .017	
2.0	.135 .074 .023	.127 .070 .021	.110 .061 .019	.095 .053 .017	.081 .046 .015	
3.0	.123 .065 .020	.115 .061 .019	.100 .054 .016	.086 .047 .014	.073 .041 .013	
4.0	.112 .058 .017	.105 .055 .016	.091 .048 .014	.078 .042 .013	.067 .036 .011	
5.0	.103 .052 .015	.096 .049 .014	.084 .044 .013	.072 .038 .011	.061 .033 .010	
6.0	.095 .048 .014	.089 .045 .013	.077 .040 .012	.066 .034 .010	.056 .030 .009	
7.0	.088 .044 .012	.082 .041 .012	.072 .036 .010	.062 .032 .009	.052 .027 .008	
8.0	.082 .040 .011	.077 .038 .011	.067 .033 .010	.057 .029 .008	.049 .025 .007	
9.0	.077 .037 .010	.072 .035 .010	.063 .031 .009	.054 .027 .008	.046 .023 .007	
10.0	.072 .035 .010	.067 .033 .009	.059 .029 .008	.051 .025 .007	.043 .022 .006	

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	.246 .246 .246	.210 .210 .210	.144 .144 .144	.082 .082 .082	.026 .026 .026	
1.0	.243 .231 .221	.208 .199 .190	.142 .137 .131	.082 .079 .076	.026 .025 .025	
2.0	.240 .221 .206	.206 .191 .178	.141 .132 .124	.081 .077 .073	.026 .025 .024	
3.0	.237 .214 .196	.203 .185 .170	.139 .128 .119	.081 .075 .070	.026 .024 .023	
4.0	.234 .209 .189	.201 .180 .165	.138 .126 .116	.080 .074 .069	.026 .024 .023	
5.0	.231 .204 .185	.198 .177 .161	.136 .124 .114	.079 .073 .067	.025 .024 .022	
6.0	.228 .201 .182	.196 .174 .158	.135 .122 .112	.078 .072 .067	.025 .023 .022	
7.0	.225 .198 .179	.193 .172 .156	.134 .120 .111	.078 .071 .066	.025 .023 .022	
8.0	.222 .196 .178	.191 .170 .155	.132 .119 .110	.077 .070 .065	.025 .023 .022	
9.0	.219 .194 .176	.189 .168 .154	.131 .118 .109	.076 .070 .065	.025 .023 .022	
10.0	.217 .192 .175	.187 .167 .153	.130 .117 .109	.076 .069 .065	.025 .023 .021	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:HCZ
 Test Date:2017-10-31

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: E41280-WT					TYPE:					WEIGHT:				
DIM.:					SPEC.:					SERIAL No.:171031002				
MFR.: Maxim 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	16.1	17.2	16.9	18.0	19.0	18.7	19.7	19.5	20.5	21.6				
3H	16.1	17.0	16.9	17.9	18.9	21.3	22.3	22.2	23.1	24.2				
4H	15.9	16.8	16.8	17.6	18.7	22.7	23.6	23.6	24.5	25.6				
6H	15.7	16.5	16.6	17.4	18.5	24.3	25.1	25.1	26.0	27.1				
8H	15.6	16.4	16.5	17.3	18.4	25.1	25.9	26.0	26.8	27.9				
12H	15.5	16.3	16.4	17.2	18.3	26.0	26.8	26.9	27.7	28.8				
4H 2H	17.5	18.3	18.3	19.2	20.3	19.2	20.1	20.0	20.9	22.0				
3H	18.6	19.4	19.5	20.3	21.4	22.1	22.8	22.9	23.7	24.8				
4H	18.6	19.3	19.5	20.2	21.4	23.6	24.3	24.5	25.2	26.4				
6H	18.4	19.0	19.4	20.0	21.2	25.4	26.0	26.3	26.9	28.1				
8H	18.3	18.9	19.3	19.8	21.1	26.3	26.9	27.3	27.8	29.0				
12H	18.3	18.8	19.2	19.7	20.9	27.4	27.9	28.4	28.9	30.1				
8H 4H	20.3	20.8	21.2	21.8	23.0	23.9	24.5	24.9	25.4	26.6				
6H	20.8	21.3	21.8	22.3	23.5	25.9	26.4	26.9	27.4	28.6				
8H	20.9	21.3	21.8	22.3	23.5	27.1	27.5	28.1	28.5	29.7				
12H	20.8	21.1	21.8	22.1	23.4	28.4	28.8	29.4	29.8	31.1				
12H 4H	20.7	21.2	21.6	22.2	23.4	23.9	24.4	24.9	25.4	26.6				
6H	21.6	22.0	22.6	23.0	24.3	26.0	26.4	27.0	27.4	28.7				
8H	22.1	22.4	23.1	23.4	24.7	27.3	27.6	28.3	28.6	29.9				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1								
1.5H	+ 0.4 / - 0.3					+ 0.2 / - 0.3								
2.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.4								

CIE Pub.117 Corrected 1800 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	SUR.:	PROTECTION ANGLE:

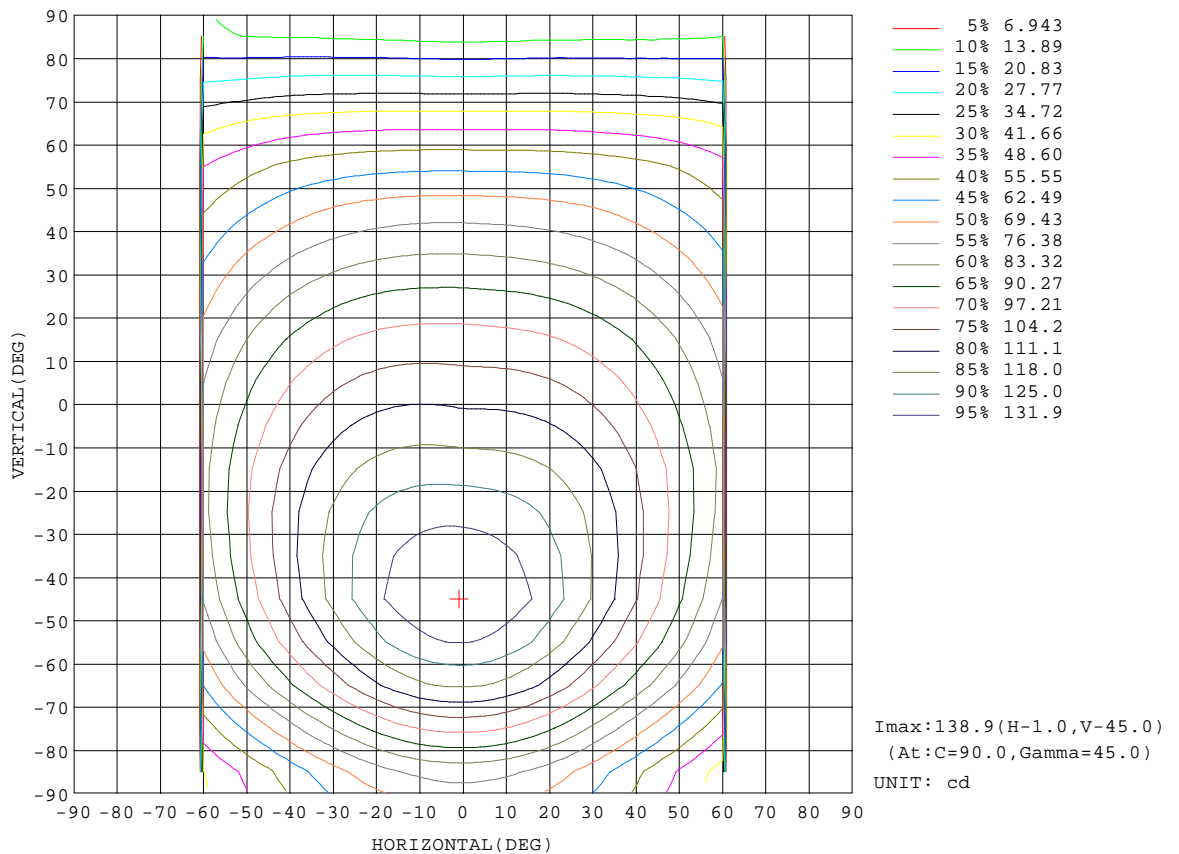
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	19	14	11	18	13	10	16	12	10	6
0.80	24	18	14	22	17	14	20	16	13	8
1.00	27	22	18	26	20	17	23	19	16	10
1.25	31	25	21	29	24	20	25	21	18	12
1.50	33	28	24	31	26	23	27	23	20	14
2.00	36	32	28	34	30	27	29	26	24	16
2.50	39	34	31	36	32	29	31	28	26	17
3.00	40	36	33	37	34	31	32	30	28	18
4.00	42	39	36	39	36	34	34	32	30	19
5.00	44	41	38	41	38	36	35	33	31	20
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:HCZ
 Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	SUR.:	PROTECTION ANGLE:

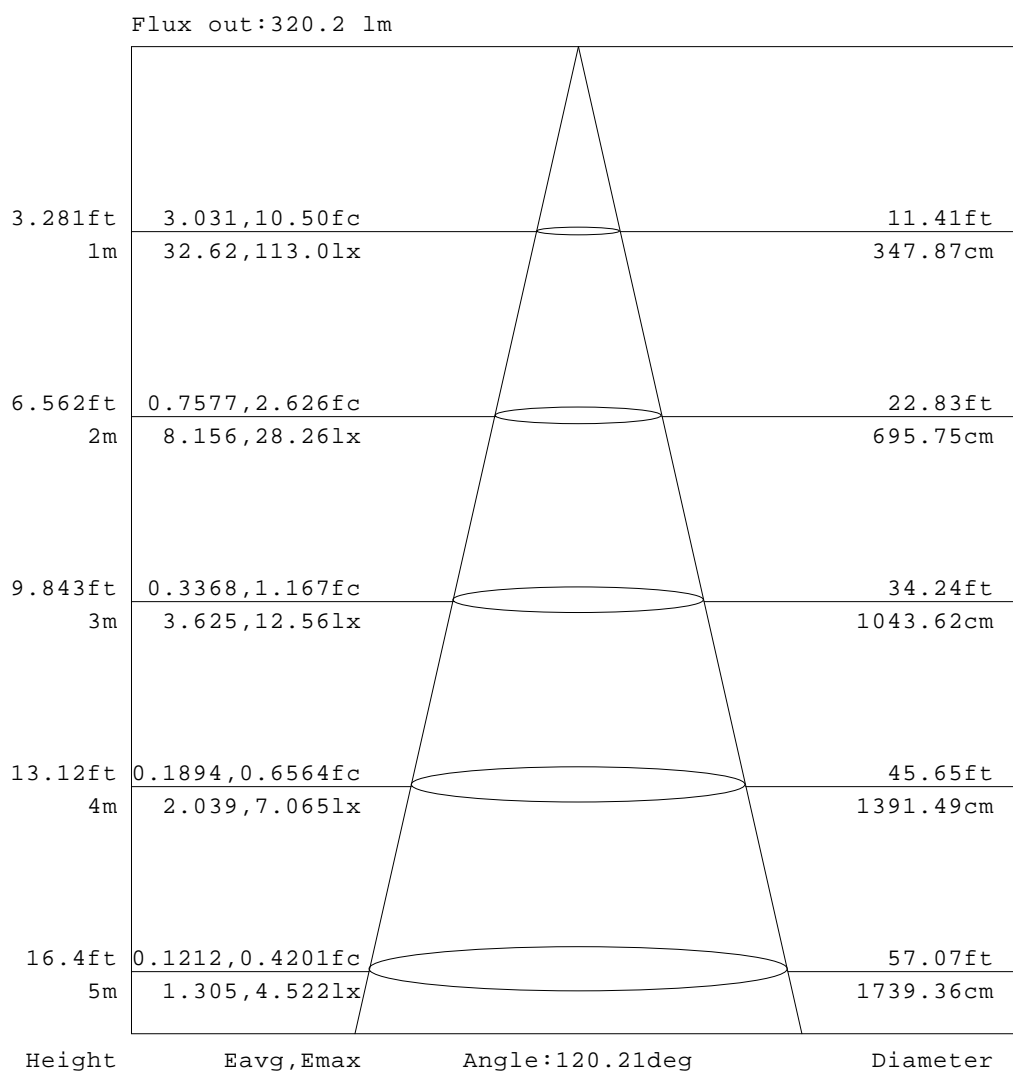


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	SUR.:	PROTECTION ANGLE:



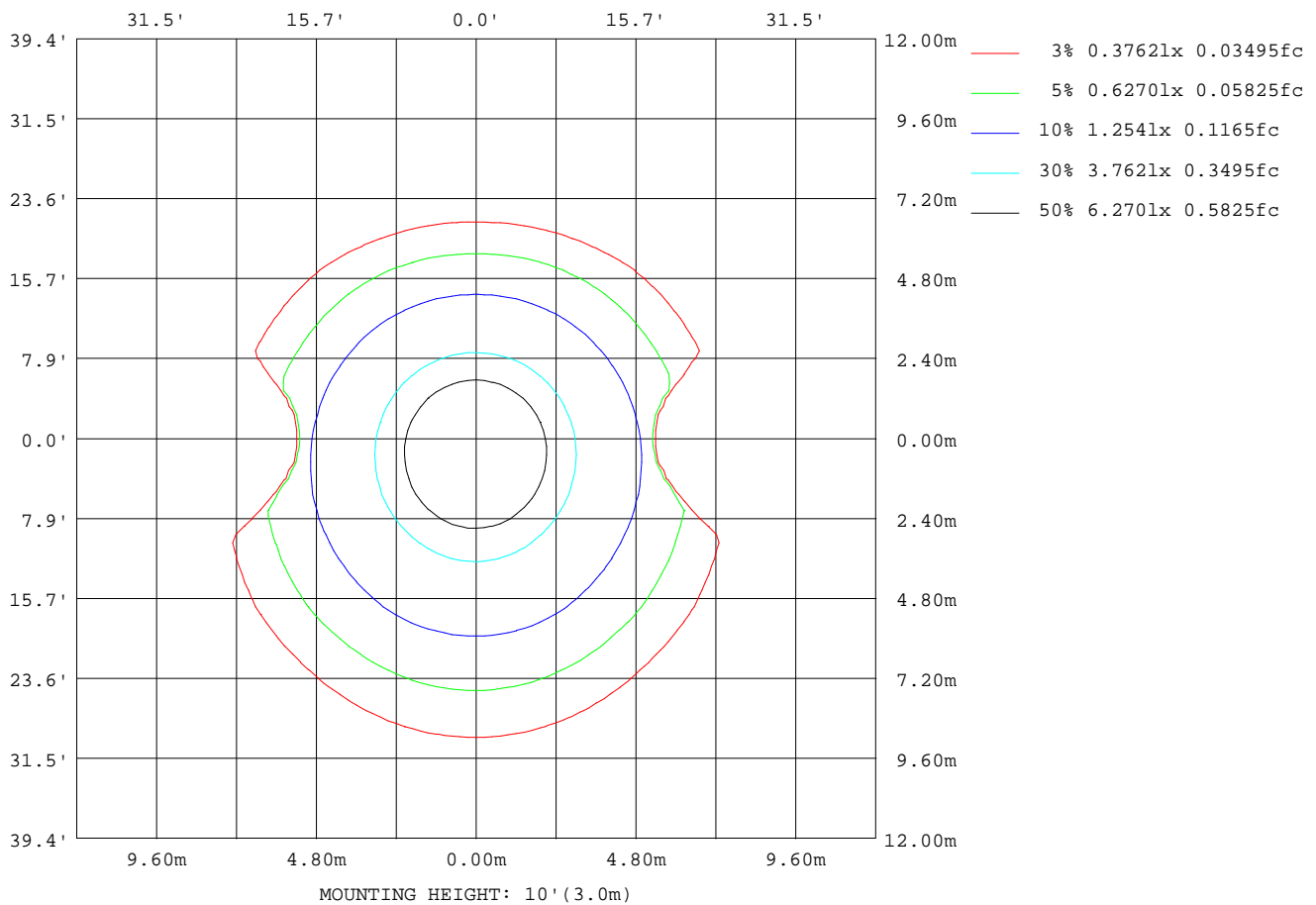
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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:

ISOLUX DIAGRAM

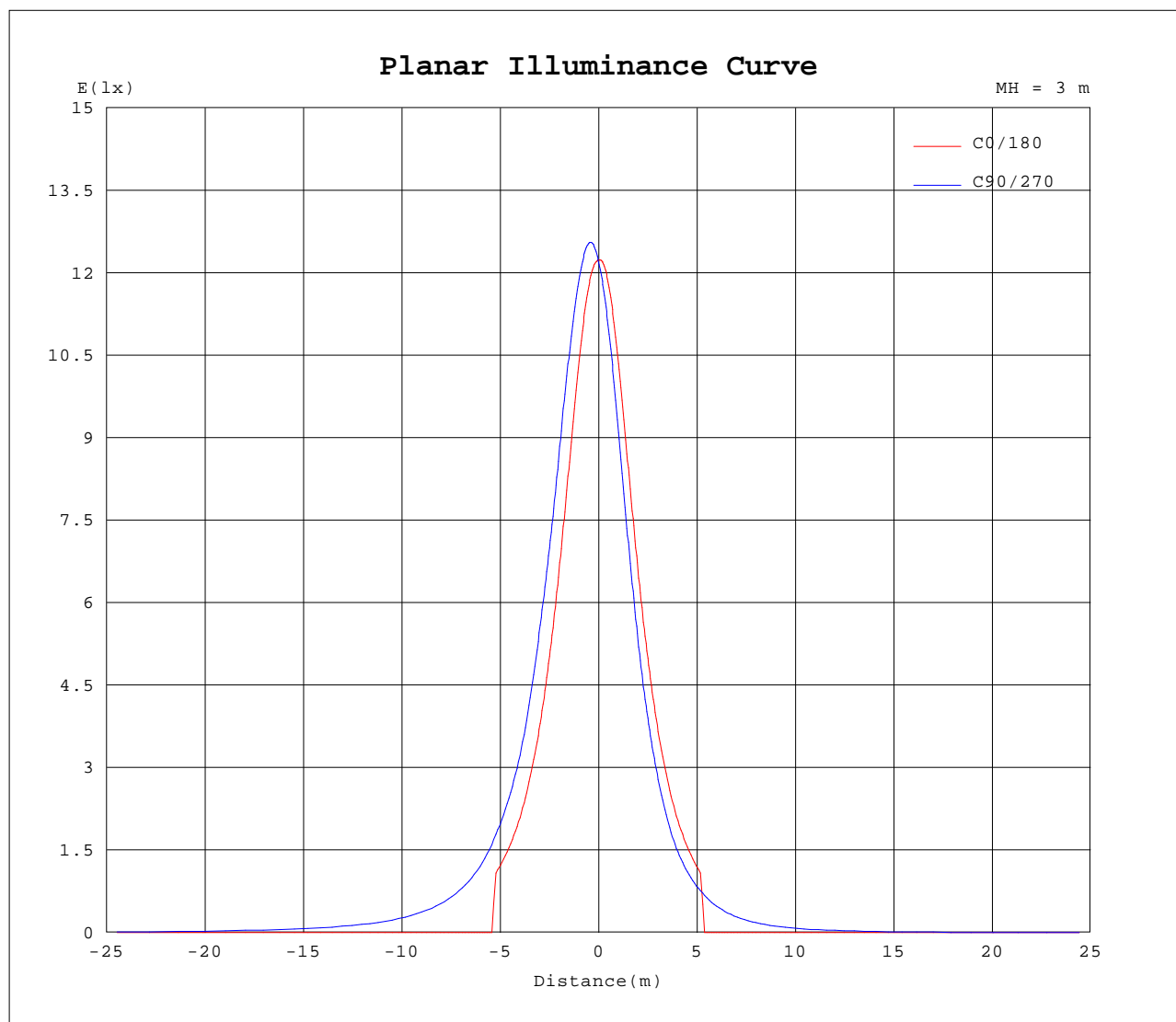
NAME: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: HCZ
Test Date: 2017-10-31

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: HCZ
Test Date: 2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	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	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
5	110	110	111	111	111	112	112	112	113	113	113	113	113	114	114	114	114	114	114
10	110	111	111	112	112	113	114	114	115	115	116	116	117	117	117	118	118	118	118
15	109	110	111	112	113	114	115	116	117	118	118	119	120	120	121	121	122	122	122
20	108	109	111	112	113	115	116	117	118	120	121	122	123	124	124	125	125	126	126
25	106	108	109	111	113	114	116	118	120	121	123	124	125	127	128	129	129	130	130
30	104	106	108	110	112	114	116	118	120	122	124	126	128	129	131	132	133	134	134
35	101	103	105	107	110	112	114	117	119	122	124	127	129	131	132	133	135	135	136
40	98.0	99.9	102	104	107	109	112	115	118	121	123	126	128	130	133	134	136	137	137
45	94.1	96.0	98.3	101	103	106	109	112	115	118	121	124	127	130	133	135	137	138	139
50	89.6	91.5	94.0	96.5	98.8	102	105	108	111	114	118	122	125	128	130	132	134	135	135
55	84.5	86.5	89.3	91.4	94.1	97.0	99.5	103	106	110	113	117	120	123	126	128	130	132	132
60	78.5	80.5	83.2	85.5	88.5	90.9	94.0	97.7	100	104	107	111	114	118	121	124	127	128	129
65	0.00	0.00	0.00	0.00	81.2	84.4	87.6	90.3	93.5	97.0	101	104	107	110	113	115	117	118	119
70	0.00	0.00	0.00	0.00	0.00	76.4	79.5	83.0	86.4	88.5	90.9	93.8	97.0	100	103	105	107	108	109
75	0.00	0.00	0.00	0.00	0.00	0.00	70.3	72.3	74.7	77.3	80.3	83.5	86.8	90.2	93.1	95.6	97.5	98.6	99.0
80	0.00	0.00	0.00	0.00	0.00	0.00	57.3	60.1	63.1	66.4	69.8	73.4	76.9	80.3	83.4	85.8	87.7	88.8	89.1
85	0.00	0.00	0.00	0.00	0.00	0.00	44.8	48.3	51.9	55.6	59.7	63.5	67.3	70.7	73.7	76.1	77.9	78.9	79.2
90	0.00	0.00	0.00	0.00	0.00	0.00	32.9	36.9	41.0	45.3	49.8	53.9	57.8	61.2	64.2	66.5	68.1	69.1	69.3
95	0.00	0.00	0.00	0.00	0.00	0.00	40.3	42.9	46.0	49.4	52.8	56.1	59.1	61.8	64.0	65.4	66.3	67.4	68.1
100	0.00	0.00	0.00	0.00	0.00	0.00	47.9	49.1	51.2	53.6	56.0	58.3	60.5	62.4	63.7	64.3	64.5	65.6	66.9
105	0.00	0.00	0.00	0.00	0.00	0.00	55.1	55.1	56.4	57.8	59.1	60.5	61.9	63.0	63.4	63.2	62.7	63.9	65.6
110	0.00	0.00	0.00	0.00	0.00	58.2	59.4	60.3	61.2	61.6	62.0	62.5	63.1	63.4	63.0	61.9	60.9	62.3	64.4
115	0.00	0.00	0.00	0.00	61.1	62.5	63.5	63.7	64.1	64.4	64.4	64.2	64.0	63.5	62.3	60.4	59.0	60.7	63.2
120	61.8	62.2	63.2	64.3	64.9	66.0	66.9	66.6	66.6	66.8	66.9	66.9	66.3	65.0	62.8	59.9	57.8	59.3	61.9
125	70.4	69.9	70.4	70.6	70.6	70.8	71.5	71.4	70.5	69.5	69.8	69.8	69.5	68.6	67.1	65.3	64.8	67.1	69.4
130	78.3	78.0	78.4	78.7	78.0	77.8	78.1	77.8	77.0	76.0	74.8	73.6	73.0	72.5	71.8	71.2	72.1	74.9	76.8
135	84.1	84.1	84.7	85.8	85.0	84.5	84.6	85.1	84.2	82.9	81.7	80.5	79.3	78.3	77.7	77.8	79.8	82.6	84.2
140	88.5	88.7	89.2	90.0	90.5	89.9	89.6	89.7	90.1	90.1	88.8	87.5	86.3	85.4	85.1	85.9	88.1	90.3	91.6
145	91.8	92.0	92.4	92.9	93.6	93.7	93.4	93.3	93.4	93.7	93.9	94.2	93.3	92.8	93.0	94.3	96.3	98.0	98.9
150	94.5	94.7	94.9	95.3	95.7	96.2	96.3	96.1	96.0	96.0	96.2	96.6	97.3	98.3	99.9	102	104	106	106
155	96.6	96.7	96.9	97.1	97.3	97.6	97.9	98.3	98.3	98.6	99.1	99.8	101	102	104	106	107	108	108
160	98.5	98.6	98.7	98.8	99.1	99.4	99.9	101	101	102	103	104	105	106	108	109	110	111	111
165	102	102	102	102	103	103	104	104	105	106	107	108	109	110	111	112	113	113	113
170	107	107	107	107	108	108	108	109	109	110	111	111	112	112	113	113	114	114	114
175	113	113	113	113	113	113	113	113	113	113	114	114	114	114	114	114	114	114	114
180	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	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	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
5	114	114	114	114	114	114	114	113	113	113	113	113	112	112	112	111	111	111	110
10	118	118	118	118	118	117	117	117	116	116	115	115	114	114	113	112	112	111	110
15	122	122	122	122	121	121	120	120	119	118	117	116	116	115	114	113	112	111	110
20	126	126	126	125	125	124	123	122	121	120	119	118	116	115	114	112	111	110	109
25	130	130	129	129	128	127	126	124	123	121	120	118	117	115	113	111	110	108	107
30	134	134	133	132	131	129	128	126	124	122	120	118	116	114	112	110	108	106	104
35	136	135	135	134	132	131	129	127	124	122	119	117	114	112	110	107	105	103	101
40	137	137	136	134	132	130	128	126	124	121	118	115	112	109	107	104	102	100	97.6
45	139	138	137	135	132	129	127	124	121	118	115	112	109	106	103	100	98.0	96.0	93.3
50	135	135	134	132	130	127	125	121	117	114	111	108	105	101	98.7	95.9	93.2	91.1	88.3
55	132	131	130	127	125	122	119	116	113	109	106	102	99.8	96.4	93.1	90.5	87.5	85.4	82.4
60	129	127	126	123	120	116	113	110	106	103	100	96.4	93.1	90.3	86.6	83.7	80.6	78.4	75.5
65	119	118	116	114	112	109	107	103	99.5	95.9	92.6	89.4	85.9	82.3	0.00	0.00	0.00	0.00	0.00
70	109	108	106	104	102	98.8	96.0	93.3	90.8	88.6	84.9	81.0	77.2	0.00	0.00	0.00	0.00	0.00	0.00
75	98.8	97.9	96.3	94.1	91.4	88.5	85.4	82.4	79.5	76.8	74.2	71.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	88.9	87.9	86.4	84.1	81.4	78.3	75.1	71.8	68.4	65.3	62.2	58.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	79.0	78.0	76.5	74.2	71.5	68.4	65.0	61.3	57.6	54.2	50.7	47.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	69.1	68.1	66.6	64.4	61.7	58.6	55.1	51.2	47.1	43.5	39.8	36.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	67.6	65.9	64.7	63.4	61.5	59.2	56.6	53.7	50.7	48.1	45.5	43.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	66.1	63.8	62.8	62.3	61.3	59.8	58.1	56.3	54.5	52.8	51.3	50.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	64.7	61.7	60.9	61.2	61.0	60.3	59.5	58.7	57.9	57.4	56.9	57.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	63.3	59.7	58.8	59.8	60.5	60.6	60.7	60.7	60.8	61.4	61.2	60.6	60.1	0.00	0.00	0.00	0.00	0.00	0.00
115	61.9	57.8	56.6	58.3	59.8	60.6	61.4	62.3	62.9	63.2	63.4	63.4	63.0	62.4	0.00	0.00	0.00	0.00	0.00
120	60.8	56.8	55.5	56.7	58.4	61.5	63.0	63.9	64.4	64.7	65.2	65.9	65.6	65.0	64.8	64.0	63.1	58.2	57.7
125	68.3	64.4	60.9	57.2	56.1	61.3	64.9	65.6	66.2	68.0	69.6	70.2	69.7	69.7	70.1	70.4	70.3	70.6	68.7
130	75.8	72.2	67.7	60.3	54.3	57.8	66.3	69.7	72.2	74.2	75.6	76.5	76.5	76.1	76.7	76.9	76.9	78.1	76.2
135	83.4	80.2	75.7	68.7	62.0	62.9	70.3	75.3	78.6	80.9	82.6	82.3	82.5	83.2	84.1	83.3	83.0	81.4	80.2
140	90.9	88.1	84.4	80.5	75.8	74.1	76.5	80.6	83.5	85.4	86.4	86.7	87.2	88.0	87.8	87.3	87.0	84.7	83.6
145	98.4	96.1	92.9	90.5	88.4	87.1	87.2	86.2	86.2	86.6	87.4	89.3	90.3	90.6	90.3	90.0	89.9	88.0	86.8
150	106	104	101	97.9	95.9	93.9	91.9	90.3	89.4	89.1	89.3	89.9	90.3	90.7	91.4	91.7	91.9	90.5	89.6
155	108	106	105	102	100	98.7	97.2	95.6	94.4	93.4	93.0	92.3	91.8	91.6	91.6	91.7	91.9	93.0	92.4
160	110	109	108	107	105	104	103	101	100	98.8	97.6	96.6	95.8	95.2	94.9	94.7	94.7	98.4	97.7
165	112	112	111	110	109	108	107	106	105	104	104	103	102	102	102	101	101	105	105
170	113	113	112	112	111	111	111	110	110	109	109	109	109	108	108	108	108	113	112
175	114	114	114	114	113	113	113	113	113	113	113	112	112	112	112	112	113	117	117
180	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	117	117

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	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	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
5	110	110	109	109	109	109	108	108	108	108	107	107	107	107	107	107	107	107	107
10	110	109	109	108	107	107	106	106	105	105	105	104	104	104	104	103	103	103	103
15	109	108	107	106	105	105	104	103	103	102	102	101	101	100	100	100	100	100	100
20	107	106	105	104	103	102	101	100	99.4	98.7	98.0	97.4	97.0	96.6	96.3	96.1	96.0	96.0	96.0
25	105	104	102	101	100.0	98.9	97.8	96.7	95.8	94.9	94.2	93.6	93.0	92.6	92.3	92.1	91.9	91.9	92.0
30	103	101	99.4	98.0	96.6	95.2	94.0	92.9	91.9	91.0	90.2	89.6	89.0	88.6	88.2	88.0	87.9	87.8	87.9
35	99.3	97.5	95.9	94.3	92.7	91.2	90.0	88.8	87.8	86.9	86.0	85.1	84.5	83.9	83.5	83.2	83.1	83.0	83.2
40	95.5	93.6	91.8	89.9	88.3	86.9	85.6	84.4	83.1	82.0	81.1	80.3	79.6	79.1	78.6	78.4	78.2	78.2	78.3
45	91.1	89.1	87.0	85.2	83.6	82.3	80.6	79.2	78.0	76.9	76.0	75.3	74.7	74.2	73.8	73.5	73.4	73.4	73.5
50	86.0	83.9	81.8	80.0	78.4	76.6	75.0	73.7	72.6	71.7	70.7	69.8	69.0	68.3	67.8	67.4	67.3	67.3	67.6
55	80.2	77.8	75.9	74.2	72.2	70.5	69.2	68.0	66.8	65.6	64.5	63.6	62.8	62.1	61.6	61.3	61.1	61.2	61.5
60	73.3	71.0	69.3	67.4	65.6	64.1	62.9	61.7	60.5	59.4	58.3	57.4	56.6	56.0	55.5	55.1	55.0	55.1	55.5
65	0.00	0.00	61.9	60.3	58.9	57.6	56.5	55.5	54.3	53.0	51.2	49.8	48.6	47.7	47.0	46.5	46.3	46.5	47.0
70	0.00	0.00	0.00	53.3	52.2	51.1	49.9	47.6	45.5	43.7	42.1	40.9	39.8	39.0	38.3	37.8	37.7	37.8	38.3
75	0.00	0.00	0.00	0.00	44.4	41.6	39.4	37.5	35.8	34.3	32.9	31.9	31.0	30.2	29.6	29.2	29.0	29.1	29.5
80	0.00	0.00	0.00	0.00	32.7	30.5	28.7	27.1	25.9	24.8	23.7	22.8	22.1	21.5	20.9	20.5	20.3	20.5	20.8
85	0.00	0.00	0.00	0.00	20.9	19.1	17.8	16.7	15.9	15.1	14.3	13.7	13.3	12.7	12.2	11.8	11.7	11.8	12.1
90	0.00	0.00	0.00	0.00	8.94	7.64	6.79	6.18	5.83	5.48	4.95	4.58	4.37	3.91	3.44	3.13	3.00	3.10	3.32
95	0.00	0.00	0.00	0.00	18.6	15.9	13.8	12.8	12.5	13.2	13.0	12.6	12.3	11.7	11.7	12.5	13.0	12.9	13.0
100	0.00	0.00	0.00	0.00	27.4	24.0	20.3	19.6	19.3	21.1	21.1	20.6	20.1	19.5	20.0	21.8	23.0	22.8	22.6
105	0.00	0.00	0.00	0.00	34.9	31.2	26.6	26.3	26.1	29.5	29.2	28.5	28.0	27.3	28.4	31.2	33.0	32.6	32.3
110	0.00	0.00	0.00	43.9	40.2	36.9	32.8	32.7	33.7	37.7	37.3	36.5	35.8	35.2	36.9	40.6	43.1	42.5	41.9
115	0.00	0.00	50.5	47.8	46.9	44.7	43.0	41.6	43.5	45.9	45.3	44.4	43.6	43.1	45.6	50.2	53.1	52.5	51.5
120	56.7	56.8	57.4	55.6	54.8	54.3	52.2	50.9	52.9	52.7	52.1	51.4	50.9	51.0	54.5	59.8	63.1	62.4	60.9
125	67.3	65.4	64.4	62.8	61.5	61.1	60.8	60.5	59.6	58.9	58.3	57.7	57.5	59.0	62.9	67.6	70.1	69.2	67.3
130	75.5	74.0	71.2	69.1	69.3	68.3	67.2	66.2	65.6	64.9	64.7	64.0	64.7	67.4	71.5	75.3	77.0	76.0	73.9
135	79.3	78.8	77.1	75.8	74.9	74.1	72.5	71.5	70.5	70.1	70.2	70.3	72.4	75.9	79.9	83.0	84.0	82.8	80.6
140	82.7	81.9	81.0	79.8	78.7	77.9	77.3	76.2	75.5	75.9	76.1	77.6	80.2	83.4	86.6	88.9	89.5	88.5	86.7
145	85.9	85.1	84.5	83.7	82.7	82.1	81.3	80.8	81.4	82.2	83.6	85.6	88.1	90.9	93.1	94.7	95.0	94.2	92.8
150	88.8	88.1	87.8	87.8	87.3	86.5	86.3	86.5	87.2	88.8	90.8	93.1	95.6	97.8	99.4	100	101	99.9	98.7
155	91.9	91.6	91.5	91.5	91.7	92.2	92.6	93.5	94.7	96.3	98.0	99.8	102	103	104	105	105	104	103
160	97.3	97.0	97.0	97.3	98.0	98.9	100	102	103	104	105	106	107	108	108	109	109	108	107
165	104	105	105	105	106	106	107	108	109	110	110	111	112	112	113	113	112	112	112
170	112	112	112	112	112	112	113	113	113	113	114	114	114	114	114	114	114	114	114
175	117	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	115
180	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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: E41280-WT	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:171031002
MFR.: Maxim Lighting	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	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110				
5	107	107	107	107	107	107	108	108	108	108	109	109	109	109	110				
10	103	104	104	104	104	105	105	106	106	106	107	108	108	109	109				
15	100	100	101	101	101	102	102	103	104	104	105	106	107	107	108				
20	96.2	96.5	96.9	97.3	97.9	98.6	99.3	100	101	102	103	104	105	106	107				
25	92.2	92.5	92.9	93.5	94.1	94.9	95.8	96.7	97.8	98.7	99.8	101	102	104	105				
30	88.1	88.5	88.9	89.5	90.2	91.0	91.9	93.0	94.1	95.4	96.6	97.9	99.3	101	102				
35	83.5	83.9	84.5	85.3	86.1	87.0	87.9	89.0	90.1	91.5	93.0	94.5	95.9	97.6	99.4				
40	78.7	79.1	79.7	80.5	81.4	82.4	83.6	84.7	85.9	87.3	88.8	90.5	92.2	93.9	95.8				
45	73.8	74.3	74.9	75.6	76.5	77.5	78.6	79.9	81.5	82.8	84.3	86.0	88.0	89.7	91.7				
50	68.1	68.7	69.5	70.5	71.5	72.4	73.5	74.7	76.2	77.9	79.4	81.1	83.2	85.1	87.1				
55	62.0	62.7	63.5	64.5	65.6	66.8	68.1	69.3	70.6	72.2	74.1	75.8	77.7	80.0	81.9				
60	56.0	56.7	57.6	58.5	59.6	60.8	62.1	63.5	64.8	66.2	68.0	69.9	71.7	73.9	75.9				
65	47.7	48.7	50.0	51.5	53.4	54.9	56.2	57.5	58.8	60.2	61.7	63.3	0.00	0.00	0.00				
70	39.0	39.9	41.0	42.3	43.9	45.9	48.4	51.3	52.9	54.0	55.2	0.00	0.00	0.00	0.00				
75	30.2	30.9	31.8	32.9	34.2	35.8	37.8	40.3	43.1	46.2	0.00	0.00	0.00	0.00	0.00				
80	21.4	22.0	22.6	23.4	24.4	25.5	27.0	28.9	31.0	33.5	0.00	0.00	0.00	0.00	0.00				
85	12.5	13.0	13.4	13.9	14.5	15.1	16.0	17.3	18.6	20.5	0.00	0.00	0.00	0.00	0.00				
90	3.69	3.98	4.14	4.34	4.53	4.60	4.83	5.46	6.08	7.17	0.00	0.00	0.00	0.00	0.00				
95	13.8	14.4	14.8	15.1	15.6	16.0	16.8	17.6	16.9	18.4	0.00	0.00	0.00	0.00	0.00				
100	23.8	24.8	25.4	25.9	26.6	27.4	28.7	29.8	28.3	29.3	0.00	0.00	0.00	0.00	0.00				
105	33.7	35.2	36.0	36.7	37.6	38.7	40.4	42.2	41.4	39.7	0.00	0.00	0.00	0.00	0.00				
110	43.6	45.5	46.6	47.5	48.5	49.9	52.1	54.4	54.5	50.6	47.4	0.00	0.00	0.00	0.00				
115	53.3	55.8	57.1	58.2	59.4	60.3	61.7	63.2	64.2	64.7	58.5	53.4	0.00	0.00	0.00				
120	62.1	64.2	65.1	65.8	66.7	68.1	69.8	71.7	73.0	71.3	68.4	63.8	61.5	61.7	61.6				
125	67.1	68.5	70.0	71.6	73.2	75.3	77.6	77.8	77.2	76.1	74.6	72.5	70.9	70.5	70.4				
130	72.5	72.9	74.5	76.6	78.5	79.8	80.7	81.2	81.1	80.8	79.7	78.4	77.4	77.2	77.7				
135	78.4	77.6	78.5	80.0	81.4	82.6	83.6	84.3	84.7	84.2	83.7	83.1	82.6	82.9	83.5				
140	84.4	82.9	82.6	83.4	84.5	85.6	86.6	87.1	87.2	87.2	87.0	86.9	87.1	87.5	88.1				
145	90.7	88.9	87.8	87.5	87.9	88.4	88.9	89.4	89.8	90.0	90.2	90.3	90.6	91.0	91.7				
150	96.9	94.9	93.1	91.9	91.3	91.2	91.4	91.8	92.3	92.7	93.1	93.3	93.7	94.1	94.7				
155	102	100	98.4	97.0	96.0	95.3	95.0	95.0	95.1	95.1	95.3	95.6	96.0	96.5	97.0				
160	106	105	104	103	102	101	100	99.3	98.8	98.4	98.3	98.3	98.5	98.8	99.2				
165	111	110	109	108	107	106	105	104	104	103	103	103	103	103	103				
170	113	113	112	112	111	111	110	110	109	109	109	109	109	109	109				
175	115	115	115	115	115	115	115	115	115	114	114	114	114	114	115				
180	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:HCZ
Test Date:2017-10-31

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: