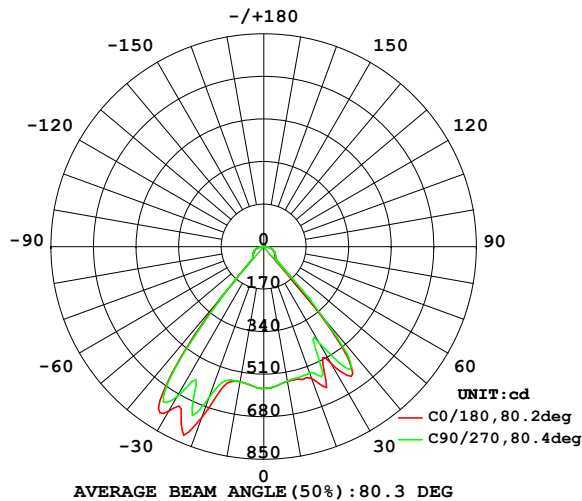


## LUMINAIRE PHOTOMETRIC TEST REPORT

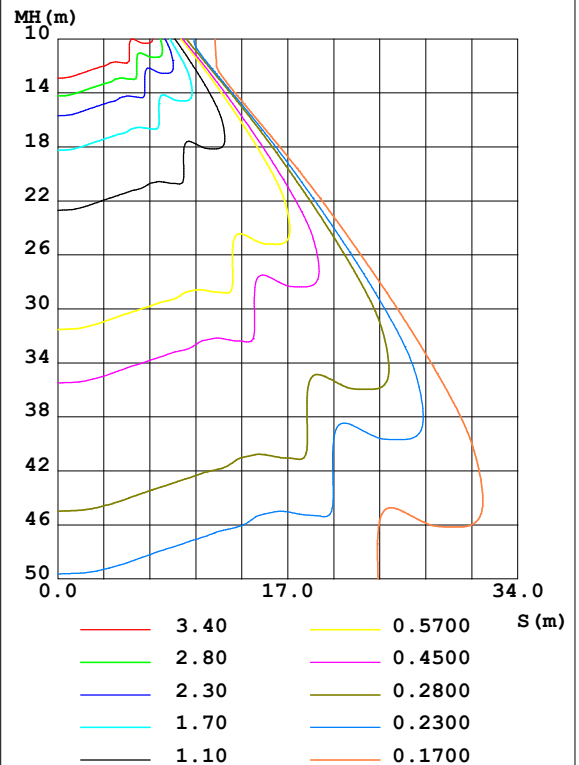
Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.23 lm/W			
MODEL		I <sub>max</sub> (cd)	821.6	S/MH (C0/180)	1.17
NOMINAL POWER(W)	12.5	LOR(%)	100.0	S/MH (C90/270)	1.15
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	1066.9	η UP,DN (C0-180)	0.0,49.0
NOMINAL FLUX(lm)	1066.95	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,51.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum
10	547.1	545.7	545.1	546.3	548.5	549.4	548.7	546.4	0- 10	52.91	52.91	4.96
20	560.9	532.3	537.3	673.1	727.3	689.1	641.2	606.5	10- 20	160.5	213.4	20
30	538.5	379.1	443.7	692.1	757.4	728.3	691.7	675.1	20- 30	289.5	502.9	47.1
40	332.5	392.7	373.6	299.9	249.2	200.8	216.8	253.9	30- 40	354.5	857.4	80.4
50	60.61	62.60	62.28	59.95	57.75	56.61	57.07	58.29	40- 50	73.16	930.5	87.2
60	51.29	53.30	53.06	50.86	48.64	47.56	47.97	49.08	50- 60	49.17	979.7	91.8
70	38.91	40.96	40.69	38.50	36.50	35.69	36.07	36.88	60- 70	44.02	1024	95.9
80	22.59	24.65	24.09	21.58	19.29	18.24	18.78	20.19	70- 80	31.82	1056	98.9
90	0.0942	1.023	0.3895	0	0	0	0	0.0028	80- 90	11.02	1067	100
100	0	0	0	0	0	0	0	0	90-100	0.0107	1067	100
110	0	0	0	0	0	0	0	0	100-110	0	1067	100
120	0	0	0	0	0	0	0	0	110-120	0	1067	100
130	0	0.0255	0	0.0002	0.0258	0	0.0192	0	120-130	0.0015	1067	100
140	0.1021	0.1277	0.0957	0.1023	0.1277	0.0894	0.1213	0.1085	130-140	0.0464	1067	100
150	0.1977	0.2043	0.1847	0.1851	0.2043	0.1849	0.2107	0.1915	140-150	0.0946	1067	100
160	0.2296	0.2617	0.2297	0.2489	0.2937	0.2489	0.2938	0.2487	150-160	0.1003	1067	100
170	0.3446	0.3830	0.3446	0.3895	0.4085	0.3765	0.4088	0.3829	160-170	0.0882	1067	100
180	0.4595	0.4659	0.4595	0.4659	0.4659	0.4723	0.4659	0.4851	170-180	0.0399	1067	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

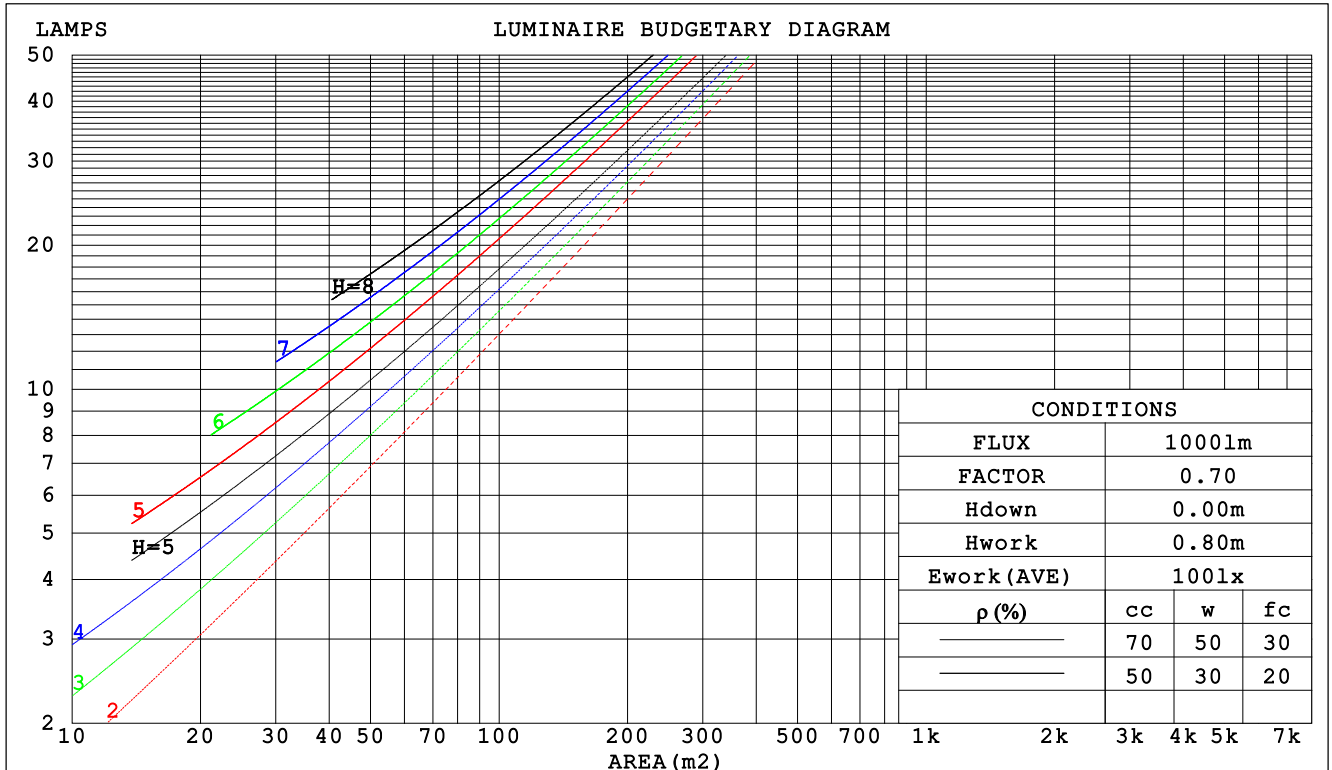
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	.00	1.01	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.89	.86	.83	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.82	.78	.74	.80	.76	.73	.71
4.0	.81	.75	.69	.80	.74	.69	.78	.72	.68	.76	.71	.67	.74	.70	.66	.64
5.0	.75	.68	.62	.74	.67	.62	.72	.66	.61	.70	.65	.61	.68	.64	.60	.58
6.0	.69	.62	.56	.68	.61	.56	.66	.60	.56	.65	.59	.55	.63	.59	.55	.53
7.0	.64	.56	.51	.63	.56	.51	.61	.55	.51	.60	.55	.50	.59	.54	.50	.48
8.0	.59	.52	.47	.58	.51	.47	.57	.51	.46	.56	.50	.46	.55	.50	.46	.44
9.0	.55	.48	.43	.54	.47	.43	.53	.47	.43	.52	.47	.42	.51	.46	.42	.41
10.0	.51	.44	.40	.50	.44	.39	.50	.44	.39	.49	.43	.39	.48	.43	.39	.38



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

## WEC AND CCEC

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.234	.133	.042	.227	.130	.041	.214	.123	.039	.202	.117	.037	.192	.111	.036		
2.0	.221	.121	.037	.215	.119	.037	.204	.114	.035	.194	.109	.034	.185	.104	.033		
3.0	.208	.111	.033	.203	.109	.033	.193	.105	.032	.184	.101	.031	.176	.097	.030		
4.0	.195	.102	.030	.191	.100	.030	.182	.097	.029	.175	.094	.028	.167	.091	.028		
5.0	.184	.094	.027	.180	.092	.027	.173	.090	.026	.166	.087	.026	.159	.085	.026		
6.0	.174	.087	.025	.170	.086	.025	.164	.084	.024	.158	.082	.024	.152	.080	.024		
7.0	.164	.081	.023	.161	.080	.023	.156	.079	.023	.150	.077	.022	.145	.075	.022		
8.0	.156	.076	.021	.153	.075	.021	.148	.074	.021	.143	.073	.021	.138	.071	.021		
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.137	.069	.020	.133	.067	.019		
10.0	.141	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.018		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.141	.150	.135	.121	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.107	.140	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.067	.123	.086	.058	.085	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.136	.089	.054	.117	.077	.047	.080	.054	.033	.047	.032	.020	.015	.010	.007	
6.0	.129	.080	.045	.111	.069	.039	.077	.049	.028	.044	.029	.017	.014	.009	.005	
7.0	.123	.073	.038	.106	.063	.033	.073	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.033	.101	.058	.029	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.112	.062	.029	.096	.054	.025	.067	.038	.018	.039	.022	.011	.013	.007	.003	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.016	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

## UGR(Unified Glare Rating) Table

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm										
NAME: ADL 12.5W ADR4WH 80°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR4WH 80°					DIM.:			SERIAL No.:01		
MFR.: GREEN CREATIVE					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	8.9	10.1	9.1	10.3	10.5	8.8	10.0	9.1	10.2	10.4
3H	9.7	10.8	10.0	11.0	11.3	9.7	10.8	10.0	11.0	11.3
4H	10.2	11.3	10.5	11.5	11.8	10.3	11.3	10.6	11.6	11.8
6H	10.8	11.8	11.1	12.0	12.3	10.9	11.9	11.2	12.1	12.4
8H	11.0	12.0	11.3	12.2	12.5	11.2	12.1	11.5	12.4	12.6
12H	11.2	12.1	11.5	12.4	12.7	11.4	12.3	11.7	12.5	12.8
4H 2H	9.1	10.1	9.4	10.3	10.6	9.0	10.0	9.3	10.3	10.5
3H	10.2	11.1	10.5	11.4	11.7	10.2	11.1	10.6	11.4	11.7
4H	10.9	11.8	11.3	12.1	12.4	11.0	11.8	11.4	12.1	12.5
6H	11.7	12.4	12.1	12.8	13.1	11.8	12.6	12.2	12.9	13.3
8H	12.0	12.7	12.4	13.1	13.4	12.2	12.9	12.6	13.2	13.6
12H	12.3	12.9	12.7	13.3	13.7	12.5	13.1	12.9	13.5	13.9
8H 4H	11.3	11.9	11.7	12.3	12.7	11.3	12.0	11.7	12.4	12.7
6H	12.2	12.8	12.7	13.2	13.6	12.3	12.9	12.8	13.3	13.7
8H	12.7	13.2	13.1	13.6	14.0	12.8	13.3	13.3	13.7	14.2
12H	13.1	13.5	13.5	13.9	14.4	13.3	13.7	13.7	14.1	14.6
12H 4H	11.3	11.9	11.7	12.3	12.7	11.4	12.0	11.8	12.4	12.8
6H	12.3	12.8	12.8	13.3	13.7	12.5	13.0	12.9	13.4	13.8
8H	12.9	13.3	13.3	13.7	14.2	13.0	13.4	13.5	13.9	14.3
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.2					+ 1.1 / - 1.2				
1.5H	+ 2.8 / - 1.2					+ 2.7 / - 1.2				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1067 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

### UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	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) $k(RI) \times RCR = 5$									
$k = 0.60$	80	72	67	79	72	67	78	71	67	63
0.80	88	80	75	87	80	75	85	79	75	70
1.00	93	86	81	92	85	81	90	85	80	75
1.25	97	91	86	96	90	86	94	89	85	80
1.50	101	95	90	99	94	90	97	92	89	83
2.00	104	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

## ISOCANDELA DIAGRAM

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

905.58 lm

%lum = 84.9%

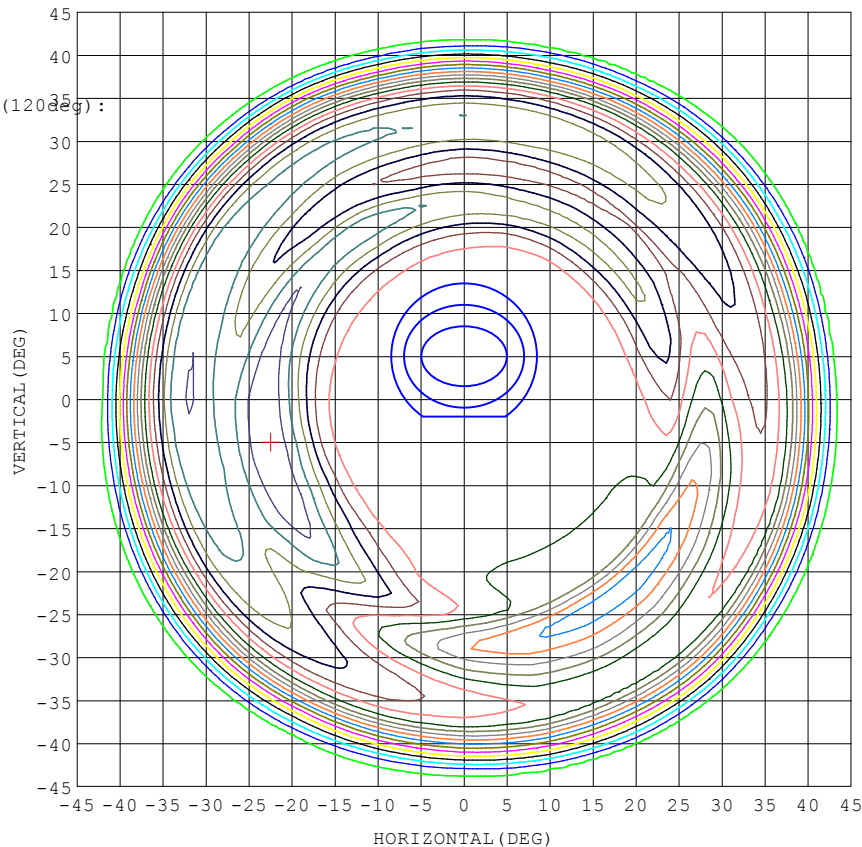
%lamp = 84.9%

Conical surface Flux(120deg):

979.7 lm

%lum = 91.8%

%lamp = 91.8%

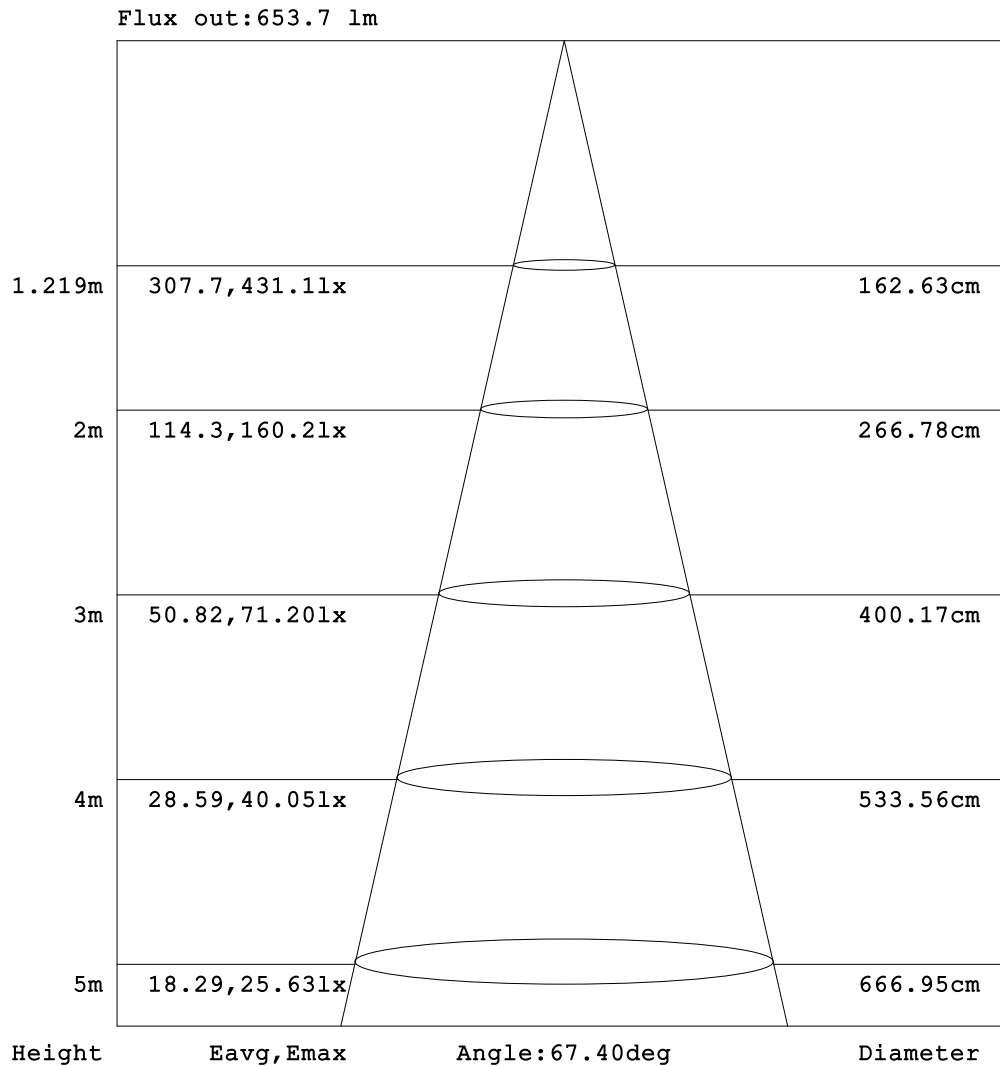


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

### AAI Figure

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

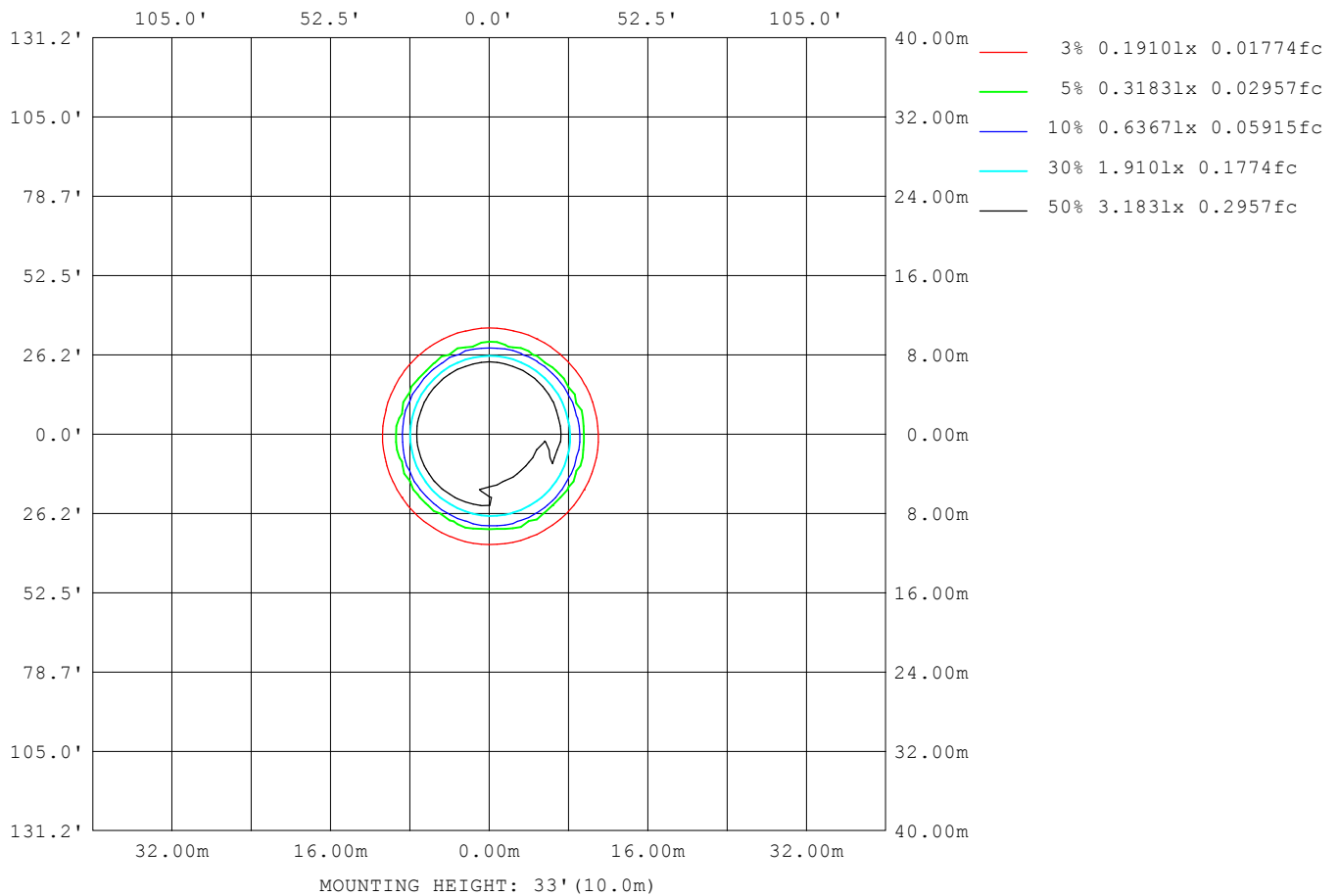
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP



## ISOLUX DIAGRAM

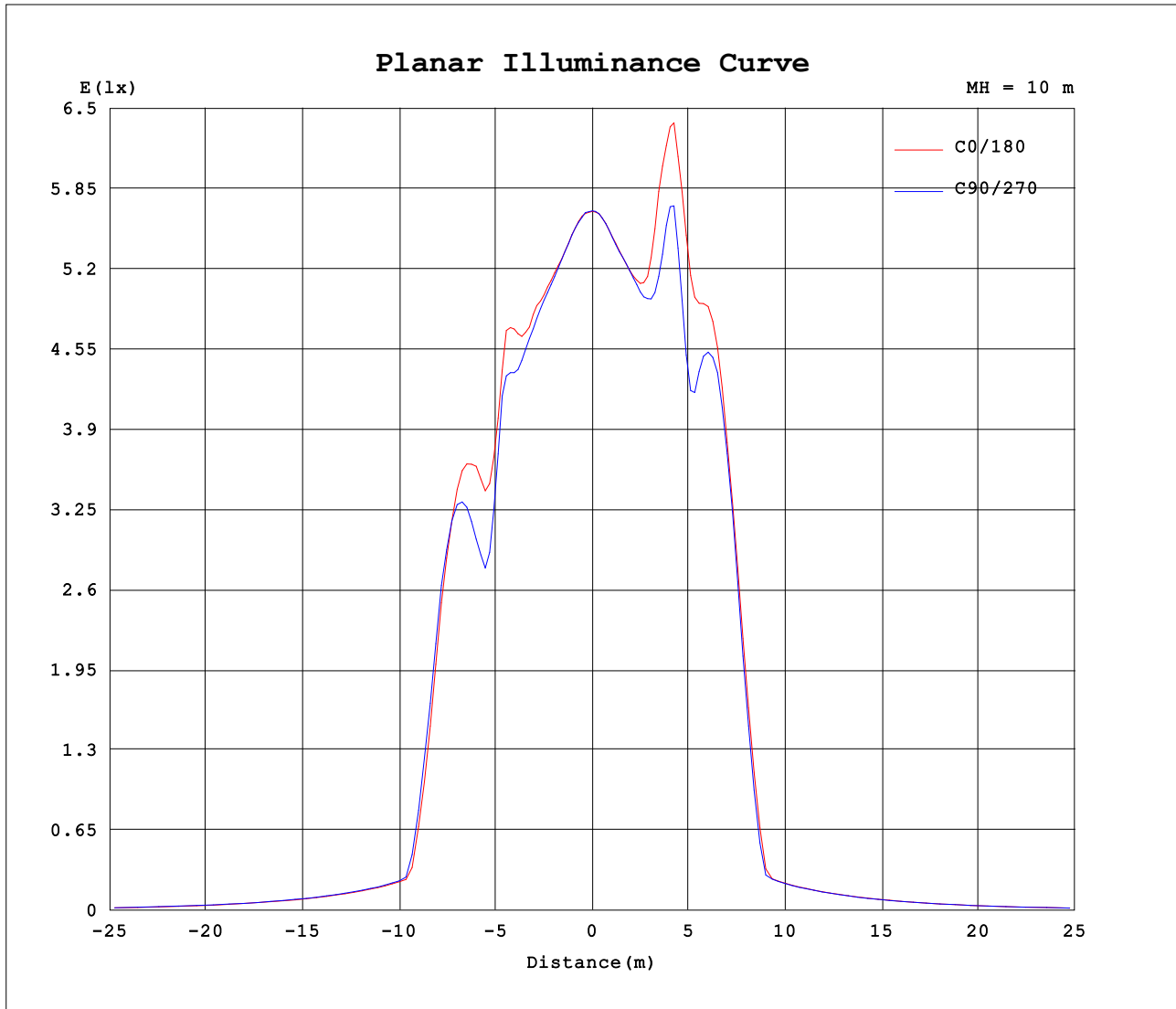
Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Aaron  
Test Date: 2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 65.0%  
Test Distance: 10.830m [K=1.0000]  
Remarks: 3500K  
TP

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	567	567	567	567	567	567	567	567	567	567	566	567	567	567	567	567	567	567	567
5	560	560	560	560	560	560	560	560	559	558	558	557	558	557	558	557	557	557	558
10	547	547	546	546	546	545	545	546	546	546	546	547	549	549	549	549	550	549	549
15	548	548	546	544	542	541	541	544	549	553	558	563	565	567	566	565	560	556	552
20	561	543	534	532	531	532	537	564	617	673	716	734	727	710	698	689	686	664	641
25	589	536	505	508	512	528	561	613	682	751	783	789	782	747	720	688	682	656	664
30	539	454	408	379	380	397	444	521	617	692	736	755	757	759	738	728	709	706	692
35	621	609	574	546	541	555	599	633	644	664	674	677	690	685	682	670	670	661	674
40	332	364	374	393	392	395	374	346	307	300	277	264	249	220	214	201	209	203	217
45	66.0	67.0	67.8	68.7	69.2	69.2	68.3	68.0	66.6	65.3	64.0	63.1	62.5	61.9	61.6	61.3	61.4	61.6	61.9
50	60.6	61.4	62.0	62.6	62.8	62.8	62.3	61.6	60.8	60.0	59.0	58.2	57.7	57.2	56.9	56.6	56.7	56.8	57.1
55	56.1	56.9	57.5	58.1	58.2	58.2	57.8	57.2	56.4	55.6	54.6	53.9	53.4	52.8	52.5	52.2	52.3	52.4	52.7
60	51.3	52.1	52.8	53.3	53.5	53.5	53.1	52.5	51.7	50.9	49.9	49.1	48.6	48.1	47.8	47.6	47.6	47.7	48.0
65	45.5	46.4	47.1	47.7	47.8	47.8	47.4	46.8	46.0	45.2	44.2	43.5	43.0	42.5	42.3	42.1	42.2	42.2	42.5
70	38.9	39.8	40.4	41.0	41.1	41.1	40.7	40.2	39.3	38.5	37.6	36.9	36.5	36.0	35.9	35.7	35.8	35.8	36.1
75	31.5	32.3	32.9	33.5	33.6	33.6	33.1	32.6	31.6	30.9	29.9	29.3	28.8	28.3	28.1	27.9	28.1	28.1	28.4
80	22.6	23.5	24.1	24.6	24.7	24.7	24.1	23.5	22.4	21.6	20.5	19.8	19.3	18.7	18.5	18.2	18.4	18.4	18.8
85	11.8	12.6	13.0	13.6	13.5	13.5	12.8	12.3	11.2	10.5	9.45	8.77	8.20	7.58	7.39	7.06	7.18	7.16	7.64
90	0.09	0.52	0.68	1.02	0.84	0.86	0.39	0.20	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.03	0.00	0.03	0.00	0.02	0.00	0.02
135	0.08	0.08	0.04	0.08	0.04	0.07	0.03	0.06	0.03	0.05	0.01	0.06	0.08	0.03	0.08	0.02	0.08	0.03	0.08
140	0.10	0.13	0.10	0.13	0.10	0.13	0.10	0.11	0.09	0.10	0.10	0.10	0.13	0.10	0.12	0.09	0.12	0.10	0.12
145	0.15	0.18	0.14	0.16	0.13	0.17	0.13	0.15	0.11	0.15	0.10	0.13	0.17	0.12	0.17	0.11	0.17	0.13	0.17
150	0.20	0.20	0.19	0.20	0.19	0.21	0.18	0.20	0.16	0.19	0.14	0.17	0.20	0.18	0.20	0.18	0.20	0.19	0.21
155	0.20	0.23	0.19	0.22	0.20	0.24	0.20	0.22	0.20	0.21	0.18	0.20	0.24	0.20	0.24	0.20	0.26	0.21	0.24
160	0.23	0.26	0.22	0.26	0.24	0.27	0.23	0.25	0.21	0.25	0.21	0.24	0.29	0.26	0.29	0.25	0.31	0.27	0.29
165	0.29	0.33	0.28	0.33	0.30	0.33	0.29	0.31	0.28	0.31	0.29	0.32	0.34	0.31	0.36	0.32	0.36	0.32	0.37
170	0.34	0.37	0.34	0.38	0.34	0.39	0.34	0.38	0.34	0.39	0.35	0.39	0.41	0.38	0.41	0.38	0.41	0.38	0.41
175	0.40	0.43	0.40	0.44	0.40	0.45	0.40	0.44	0.40	0.45	0.41	0.45	0.47	0.43	0.47	0.43	0.47	0.43	0.47
180	0.46	0.47	0.46	0.47	0.47	0.47	0.46	0.47	0.47	0.47	0.49	0.47	0.47	0.48	0.47	0.47	0.47	0.47	0.47

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1193A P:12.52W PF:0.8703 Lamp Flux:1066.95x1 lm		
NAME: ADL 12.5W ADR4WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	567	567	567	566	567														
5	558	558	558	558	559														
10	548	547	546	547	547														
15	550	550	550	550	548														
20	619	610	607	599	586														
25	662	671	673	675	656														
30	691	678	675	648	607														
35	664	659	647	639	626														
40	217	236	254	285	307														
45	62.1	62.8	63.3	64.1	64.8														
50	57.3	57.8	58.3	59.0	59.7														
55	53.0	53.4	53.9	54.6	55.3														
60	48.2	48.7	49.1	49.8	50.4														
65	42.7	43.1	43.4	44.0	44.7														
70	36.2	36.6	36.9	37.5	38.1														
75	28.6	29.0	29.4	30.1	30.7														
80	19.0	19.7	20.2	21.1	21.8														
85	7.95	8.73	9.30	10.3	11.0														
90	0.00	0.00	0.00	0.00	0.02														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.05	0.00	0.05	0.01														
135	0.07	0.10	0.09	0.11	0.10														
140	0.10	0.13	0.11	0.17	0.13														
145	0.14	0.19	0.17	0.20	0.19														
150	0.19	0.21	0.19	0.22	0.20														
155	0.21	0.24	0.20	0.25	0.22														
160	0.27	0.29	0.25	0.28	0.26														
165	0.32	0.36	0.31	0.35	0.31														
170	0.39	0.41	0.38	0.41	0.38														
175	0.43	0.47	0.43	0.47	0.43														
180	0.47	0.48	0.49	0.47	0.47														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-29

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:10.830m [K=1.0000]  
Remarks: 3500K  
TP