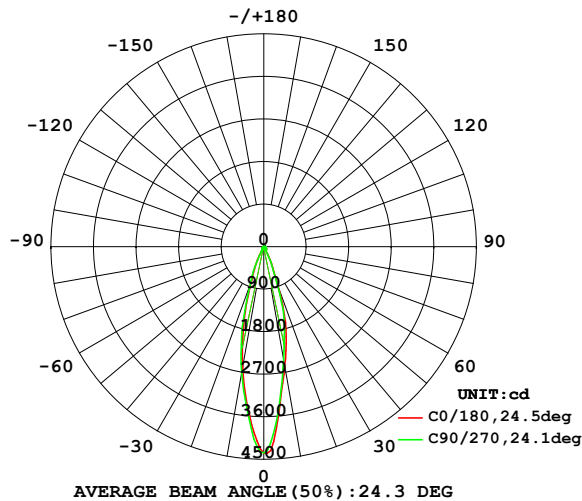


LUMINAIRE PHOTOMETRIC TEST REPORT

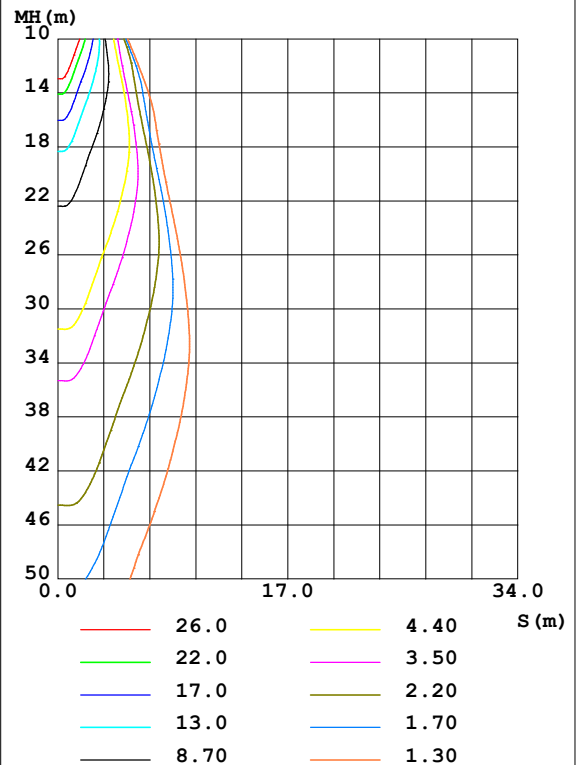
Test:U:120.5V I:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 84.42 lm/W			
MODEL		I _{max} (cd)	4380	S/MH (C0/180)	0.40
NOMINAL POWER(W)	12.5	LOR(%)	100.0	S/MH (C90/270)	0.43
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	1087.2	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	1087.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	1.00

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum
10	2570	2463	2417	2557	2579	2595	2709	2700	0- 10	309.2	309.2	28.4
20	879.3	900.0	823.6	752.9	770.1	800.0	819.7	834.3	10- 20	457.4	766.6	70.5
30	93.79	94.86	90.93	88.19	81.56	78.48	80.13	87.13	20- 30	159.0	925.6	85.1
40	58.17	59.23	62.57	60.86	61.55	58.41	56.52	56.77	30- 40	43.31	968.9	89.1
50	39.96	40.93	41.12	40.37	38.99	37.73	37.89	38.87	40- 50	37.07	1006	92.5
60	31.14	31.87	32.13	31.70	30.42	29.22	29.28	30.15	50- 60	31.31	1037	95.4
70	22.33	23.01	23.12	22.55	21.38	20.34	20.58	21.44	60- 70	26.15	1063	97.8
80	11.90	12.45	12.19	11.31	10.28	9.745	10.16	11.00	70- 80	17.56	1081	99.4
90	0.0027	0.1203	0.0139	0	0	0	0	0.0027	80- 90	5.579	1087	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0007	1087	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1087	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1087	99.9
130	0	0	0	0	0	0	0	0	120-130	0	1087	99.9
140	0.1021	0.1470	0.1209	0.1534	0.2044	0.1781	0.1979	0.1466	130-140	0.0338	1087	99.9
150	0.3885	0.4091	0.3827	0.4343	0.4853	0.4530	0.4916	0.4338	140-150	0.1863	1087	100
160	0.5170	0.5361	0.5297	0.5106	0.5744	0.5744	0.6063	0.5936	150-160	0.2370	1087	100
170	0.4787	0.4464	0.4853	0.4148	0.4595	0.4853	0.4848	0.5107	160-170	0.1505	1087	100
180	0.4212	0.4148	0.4148	0.4148	0.4148	0.4276	0.4085	0.4276	170-180	0.0416	1087	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

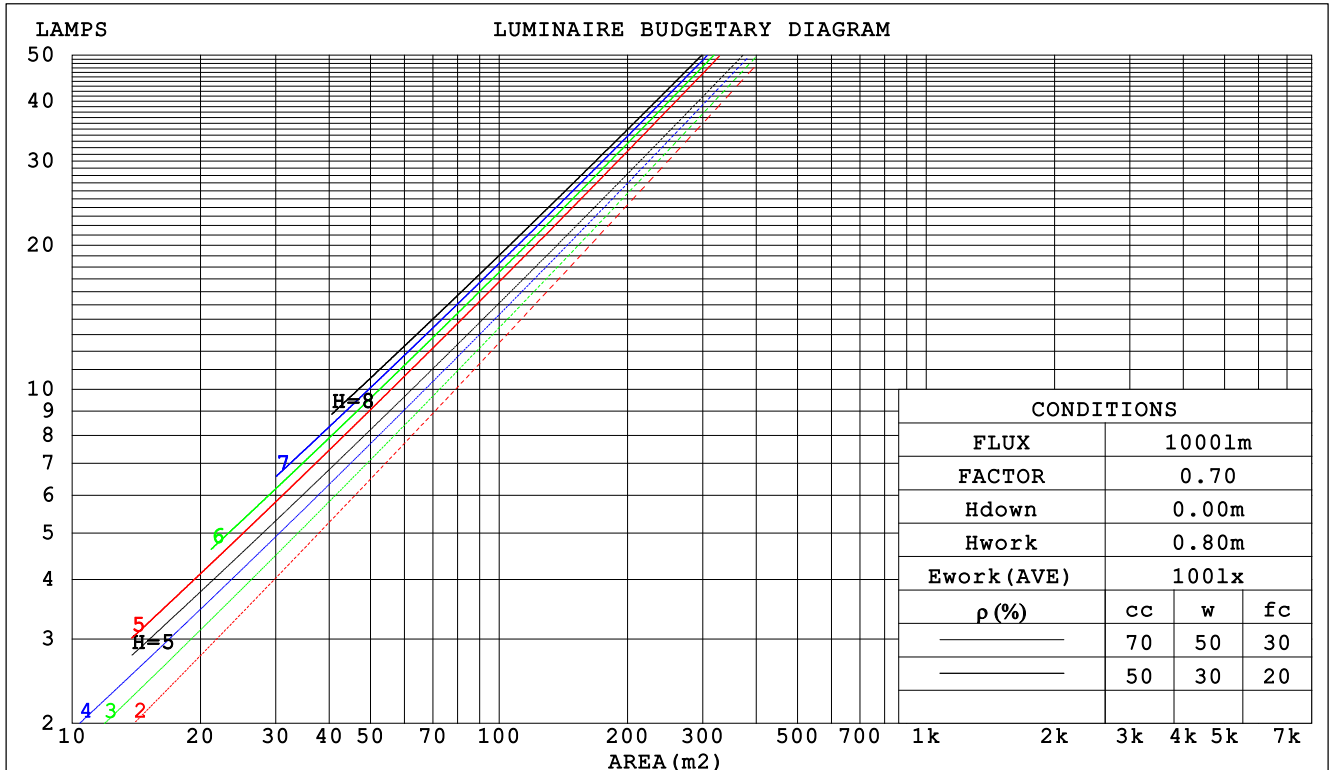
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.5V I:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.01	.98	1.03	.99	.97	.00	.97	.94	.97	.94	.92	.94	.92	.91	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.92	.89	.93	.90	.87	.90	.88	.86	.85
4.0	.94	.89	.86	.93	.88	.85	.91	.87	.84	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.77
6.0	.86	.81	.78	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.75
7.0	.83	.78	.74	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.72
8.0	.80	.75	.72	.79	.75	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.69
9.0	.77	.72	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.75	.70	.67	.74	.70	.67	.73	.69	.67	.73	.69	.66	.72	.69	.66	.65



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

WEC AND CCEC

Test:U:120.5V I:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	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	.170	.096	.031	.163	.093	.030	.150	.086	.028	.139	.080	.026	.128	.074	.024		
2.0	.157	.086	.026	.151	.083	.026	.141	.078	.024	.131	.073	.023	.122	.069	.022		
3.0	.145	.077	.023	.140	.075	.023	.132	.071	.022	.123	.068	.021	.116	.064	.020		
4.0	.135	.070	.021	.131	.068	.020	.123	.065	.020	.116	.062	.019	.110	.060	.018		
5.0	.126	.064	.019	.123	.063	.018	.116	.060	.018	.110	.058	.017	.104	.056	.017		
6.0	.118	.059	.017	.115	.058	.017	.110	.056	.016	.104	.054	.016	.099	.052	.016		
7.0	.112	.055	.016	.109	.054	.015	.104	.053	.015	.099	.051	.015	.095	.049	.015		
8.0	.106	.052	.015	.103	.051	.014	.099	.049	.014	.095	.048	.014	.091	.047	.014		
9.0	.100	.049	.014	.098	.048	.013	.094	.047	.013	.091	.046	.013	.087	.044	.013		
10.0	.096	.046	.013	.094	.045	.013	.090	.044	.012	.087	.043	.012	.084	.042	.012		

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	.171	.158	.146	.146	.135	.126	.100	.093	.087	.058	.054	.051	.018	.017	.016	
2.0	.155	.133	.115	.133	.115	.099	.091	.079	.069	.052	.046	.041	.017	.015	.013	
3.0	.141	.114	.092	.121	.098	.080	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.129	.099	.076	.111	.085	.066	.076	.060	.046	.044	.035	.027	.014	.011	.009	
5.0	.119	.087	.063	.102	.075	.055	.070	.053	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.067	.046	.065	.047	.033	.038	.028	.020	.012	.009	.006	
7.0	.103	.069	.046	.089	.060	.040	.061	.042	.028	.036	.025	.017	.011	.008	.006	
8.0	.096	.063	.039	.083	.054	.034	.057	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.091	.057	.034	.078	.050	.030	.054	.035	.021	.032	.021	.013	.010	.007	.004	
10.0	.086	.052	.030	.074	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

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:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm										
NAME: ADL 12.5W ADR4WH 25°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR4WH 25°					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	2.1	2.9	2.3	3.1	3.2	2.2	3.0	2.4	3.2	3.3
3H	4.0	4.7	4.2	4.9	5.1	4.1	4.9	4.4	5.1	5.3
4H	4.9	5.6	5.1	5.8	6.0	5.0	5.7	5.3	5.9	6.2
6H	5.6	6.3	5.9	6.5	6.8	5.8	6.4	6.1	6.7	6.9
8H	5.9	6.5	6.2	6.8	7.0	6.1	6.7	6.4	7.0	7.2
12H	6.1	6.7	6.4	7.0	7.3	6.3	6.9	6.6	7.2	7.4
4H 2H	2.9	3.6	3.2	3.8	4.0	3.0	3.7	3.3	3.9	4.1
3H	5.0	5.6	5.3	5.9	6.1	5.1	5.7	5.4	6.0	6.3
4H	6.0	6.5	6.3	6.8	7.2	6.1	6.7	6.5	7.0	7.3
6H	6.9	7.4	7.2	7.7	8.0	7.0	7.5	7.4	7.8	8.2
8H	7.2	7.7	7.6	8.0	8.4	7.3	7.8	7.7	8.2	8.5
12H	7.5	7.9	7.9	8.3	8.7	7.6	8.0	8.0	8.4	8.8
8H 4H	6.4	6.9	6.8	7.2	7.6	6.5	7.0	6.9	7.3	7.7
6H	7.4	7.8	7.9	8.2	8.6	7.6	8.0	8.0	8.4	8.8
8H	7.9	8.2	8.3	8.7	9.1	8.0	8.4	8.5	8.8	9.2
12H	8.3	8.6	8.7	9.0	9.5	8.4	8.7	8.8	9.1	9.6
12H 4H	6.4	6.9	6.8	7.2	7.6	6.5	7.0	6.9	7.3	7.7
6H	7.5	7.9	8.0	8.3	8.8	7.7	8.0	8.1	8.4	8.9
8H	8.1	8.4	8.5	8.8	9.3	8.2	8.5	8.6	8.9	9.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117 Corrected 1087 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

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:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	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) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	84	78	74	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	90	86	94	90	86	82
1.25	101	95	91	100	95	91	98	94	90	86
1.50	104	99	95	103	98	94	100	96	93	89
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	98	92
3.00	111	107	104	109	105	103	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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

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

ISOCANDELA DIAGRAM

Test:U:120.5V I:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

988.89 lm

%lum = 91.0%

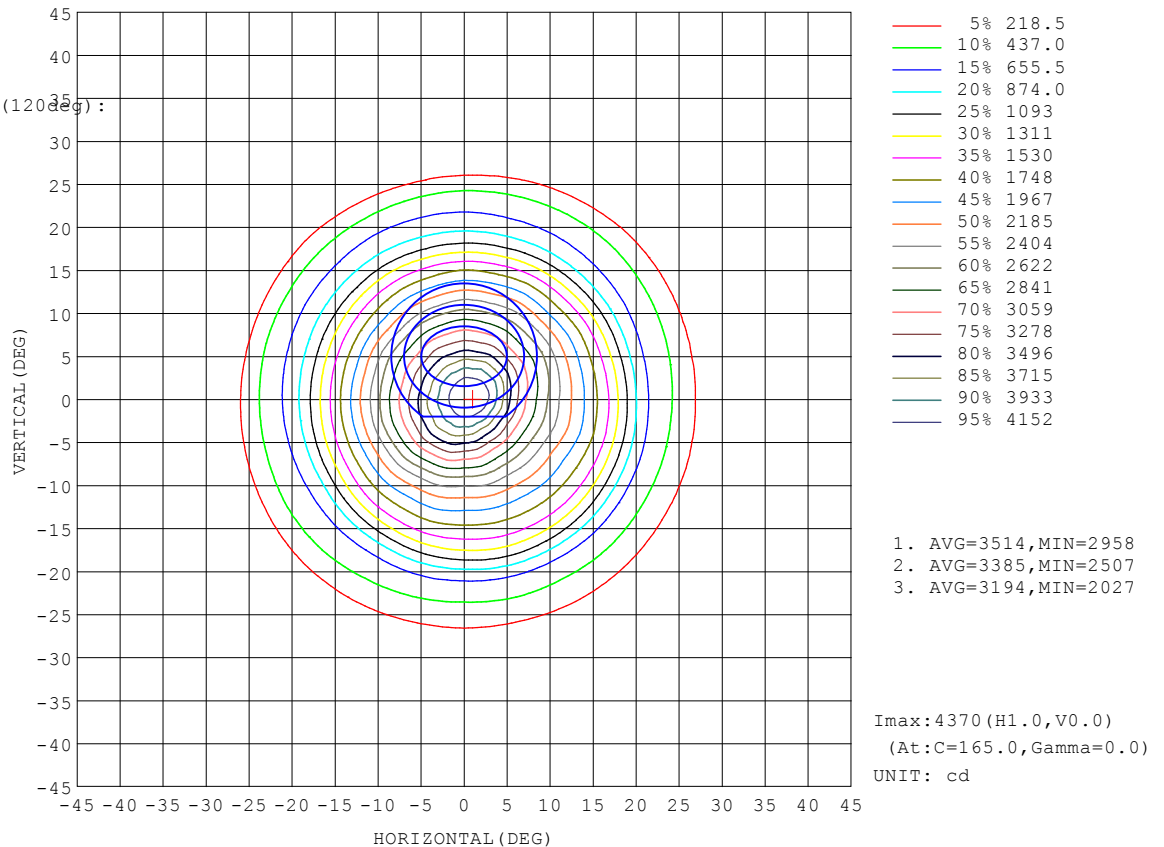
%lamp = 91.0%

Conical surface Flux(120deg):

1037.3 lm

%lum = 95.4%

%lamp = 95.4%

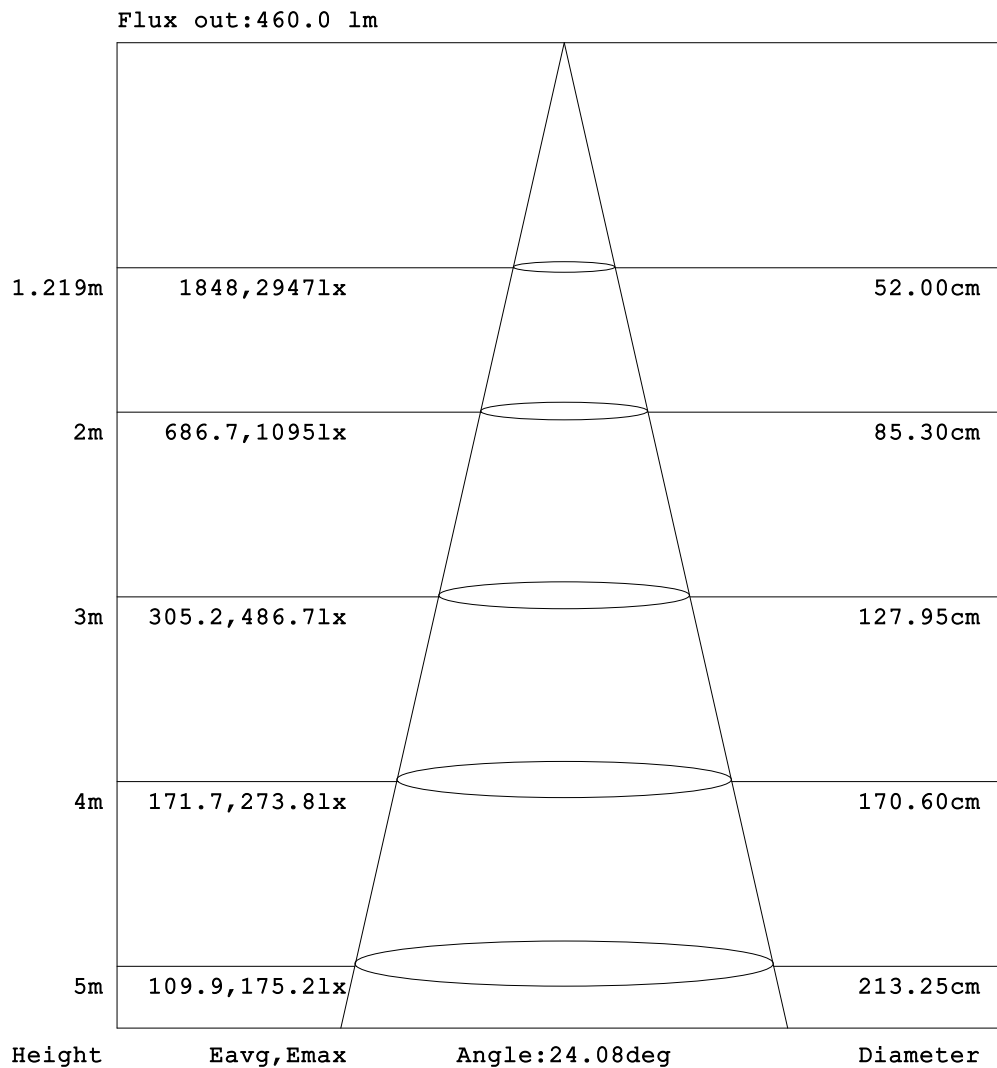


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



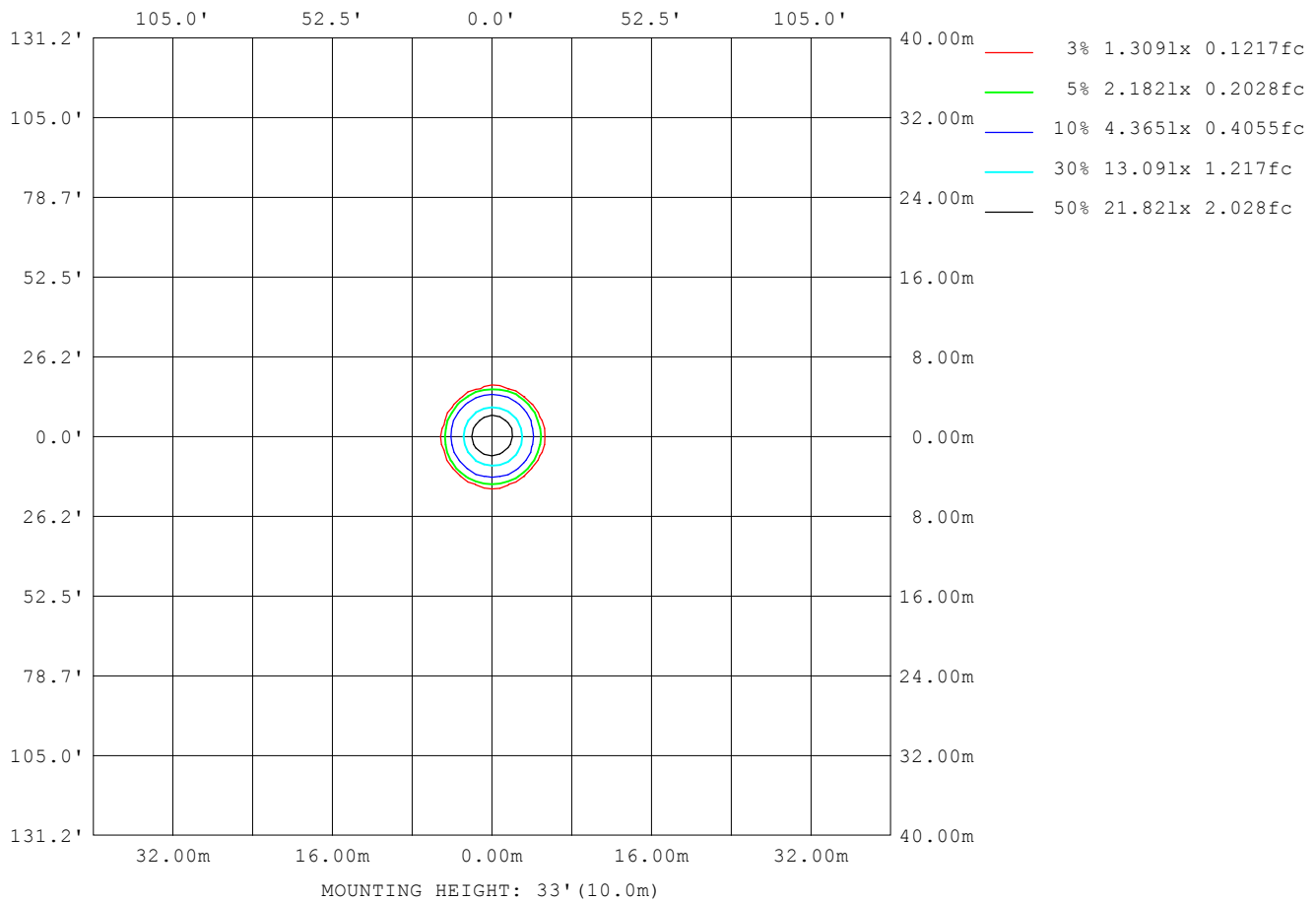
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

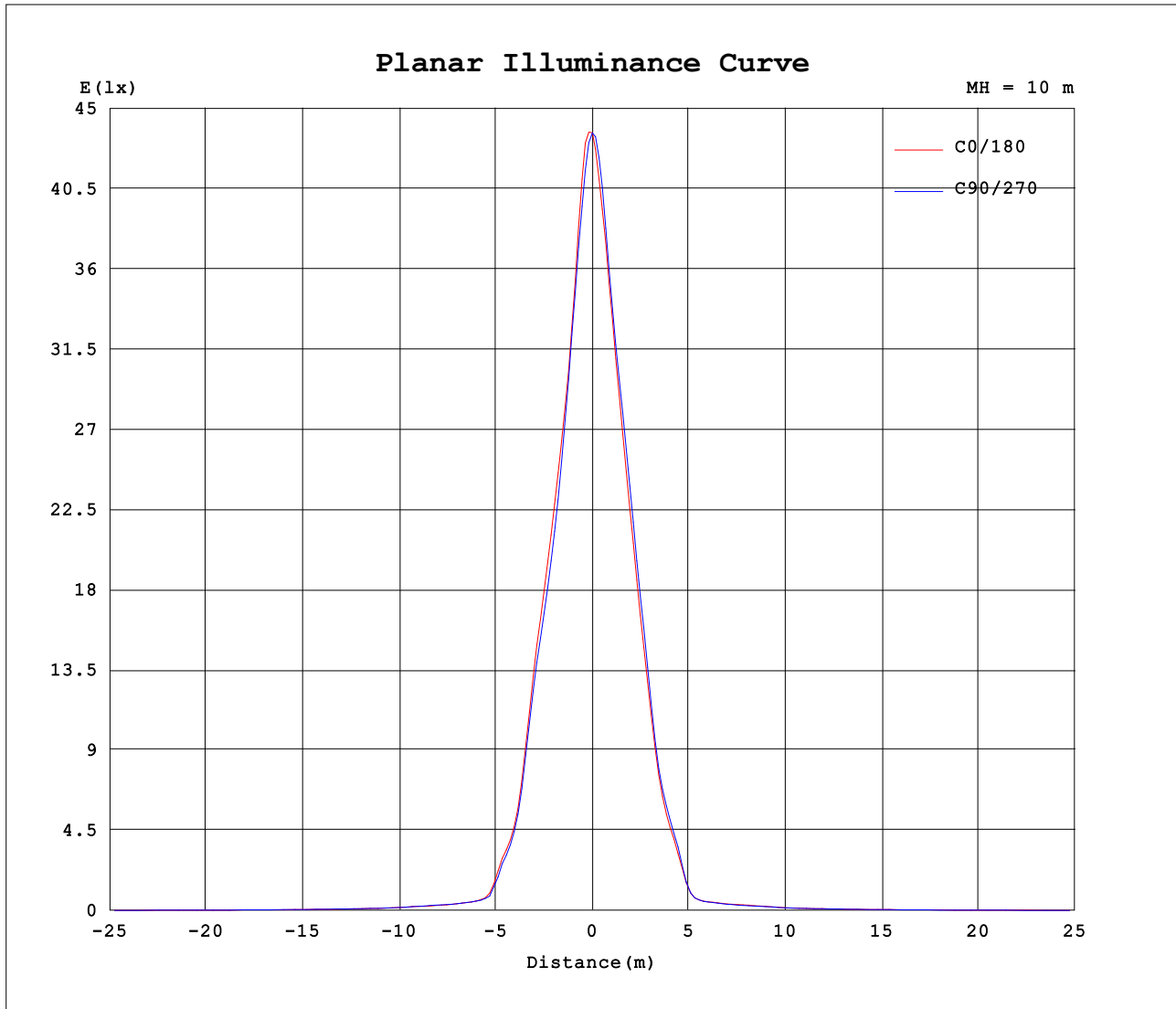
Test:U:120.5V I:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	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	4365	4362	4361	4361	4361	4366	4364	4371	4371	4377	4376	4380	4365	4362	4361	4361	4361	4366	4364
5	3583	3557	3463	3465	3451	3512	3516	3594	3593	3609	3567	3584	3565	3530	3552	3544	3584	3580	3642
10	2570	2550	2484	2463	2423	2450	2417	2478	2485	2557	2557	2593	2579	2574	2615	2595	2646	2661	2709
15	1819	1831	1777	1761	1740	1719	1698	1702	1676	1675	1642	1639	1639	1634	1633	1658	1690	1698	1757
20	879	907	902	900	876	864	824	802	757	753	737	753	770	775	795	800	814	812	820
25	394	375	372	357	348	352	354	338	349	343	336	332	321	305	300	291	302	306	344
30	93.8	95.3	94.8	94.9	93.4	93.3	90.9	90.5	88.6	88.2	85.0	83.3	81.6	79.7	79.2	78.5	78.3	78.7	80.1
35	69.1	69.9	69.9	70.2	70.1	70.6	70.4	70.1	69.8	69.4	68.7	67.9	67.5	66.0	65.3	64.8	64.4	64.4	64.5
40	58.2	58.7	58.9	59.2	60.1	61.8	62.6	61.6	62.9	60.9	62.9	60.6	61.5	58.4	59.3	58.4	57.6	57.7	56.5
45	49.2	50.7	50.4	51.1	50.9	49.7	49.4	48.9	47.9	47.2	46.3	45.5	44.9	44.0	43.6	43.2	43.1	43.2	43.5
50	40.0	40.4	40.6	40.9	41.1	41.2	41.1	41.0	40.7	40.4	39.8	39.4	39.0	38.4	38.1	37.7	37.6	37.6	37.9
55	35.3	35.7	35.9	36.1	36.3	36.4	36.4	36.3	36.1	35.9	35.5	35.0	34.6	34.1	33.7	33.4	33.3	33.3	33.5
60	31.1	31.4	31.7	31.9	32.0	32.1	32.1	32.1	31.9	31.7	31.3	30.9	30.4	29.9	29.5	29.2	29.1	29.1	29.3
65	26.9	27.2	27.4	27.6	27.7	27.8	27.8	27.8	27.6	27.4	26.9	26.5	26.1	25.6	25.3	24.9	24.8	24.8	25.0
70	22.3	22.6	22.8	23.0	23.1	23.2	23.1	23.1	22.8	22.6	22.1	21.7	21.4	20.9	20.6	20.3	20.3	20.3	20.6
75	17.3	17.6	17.7	17.9	18.0	18.1	17.9	17.8	17.4	17.2	16.7	16.4	16.1	15.7	15.5	15.3	15.3	15.4	15.6
80	11.9	12.2	12.3	12.4	12.4	12.4	12.2	12.0	11.6	11.3	10.8	10.5	10.3	9.97	9.86	9.75	9.83	9.90	10.2
85	5.97	6.24	6.30	6.42	6.33	6.25	5.95	5.72	5.29	5.00	4.57	4.32	4.09	3.84	3.82	3.73	3.87	3.94	4.25
90	0.00	0.09	0.06	0.12	0.01	0.00	0.01	0.00	0.00	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	0.00	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
135	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.03	0.05	0.03	0.06	0.03	0.06	0.02	0.05
140	0.10	0.15	0.11	0.15	0.10	0.15	0.12	0.16	0.13	0.15	0.13	0.17	0.20	0.17	0.20	0.18	0.20	0.17	0.20
145	0.24	0.29	0.26	0.29	0.27	0.29	0.27	0.30	0.27	0.31	0.27	0.31	0.36	0.31	0.36	0.33	0.36	0.31	0.36
150	0.39	0.41	0.39	0.41	0.38	0.43	0.38	0.43	0.39	0.43	0.39	0.43	0.49	0.44	0.49	0.45	0.49	0.46	0.49
155	0.49	0.52	0.48	0.51	0.50	0.52	0.50	0.52	0.49	0.52	0.49	0.52	0.57	0.52	0.57	0.54	0.58	0.54	0.59
160	0.52	0.52	0.52	0.54	0.53	0.53	0.53	0.52	0.52	0.51	0.52	0.52	0.57	0.56	0.57	0.57	0.58	0.59	0.61
165	0.52	0.50	0.53	0.50	0.53	0.51	0.53	0.50	0.52	0.49	0.52	0.50	0.53	0.56	0.52	0.56	0.53	0.57	0.55
170	0.48	0.45	0.48	0.45	0.49	0.44	0.49	0.42	0.46	0.41	0.46	0.42	0.46	0.49	0.45	0.49	0.46	0.50	0.48
175	0.43	0.41	0.43	0.41	0.43	0.41	0.43	0.41	0.41	0.41	0.42	0.41	0.41	0.44	0.41	0.43	0.41	0.44	0.41
180	0.42	0.41	0.41	0.41	0.41	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.43	0.41	0.41	0.41

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:0.1229A P:12.88W PF:0.8700 Lamp Flux:1087.2x1 lm		
NAME: ADL 12.5W ADR4WH 25°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 25°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	4371	4371	4377	4376	4380														
5	3646	3711	3705	3719	3662														
10	2696	2727	2700	2715	2655														
15	1749	1807	1785	1828	1814														
20	816	830	834	852	853														
25	359	379	400	393	405														
30	81.5	84.8	87.1	90.8	92.8														
35	64.9	65.9	66.9	67.9	68.6														
40	56.2	57.0	56.8	57.4	58.5														
45	44.3	44.8	45.4	47.3	47.7														
50	38.1	38.6	38.9	39.4	39.6														
55	33.7	34.1	34.4	34.8	35.0														
60	29.5	29.9	30.1	30.5	30.8														
65	25.3	25.7	25.9	26.3	26.6														
70	20.8	21.2	21.4	21.8	22.0														
75	15.8	16.2	16.4	16.8	17.0														
80	10.4	10.7	11.0	11.4	11.6														
85	4.42	4.82	5.06	5.49	5.71														
90	0.00	0.00	0.00	0.00	0.01														
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	0.00	0.00	0.00	0.00														
135	0.01	0.06	0.01	0.06	0.01														
140	0.17	0.20	0.15	0.19	0.15														
145	0.30	0.36	0.31	0.34	0.29														
150	0.44	0.48	0.43	0.47	0.43														
155	0.53	0.57	0.53	0.57	0.52														
160	0.59	0.60	0.59	0.59	0.59														
165	0.59	0.56	0.59	0.54	0.57														
170	0.52	0.48	0.51	0.48	0.50														
175	0.45	0.42	0.45	0.41	0.44														
180	0.41	0.41	0.43	0.41	0.41														

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