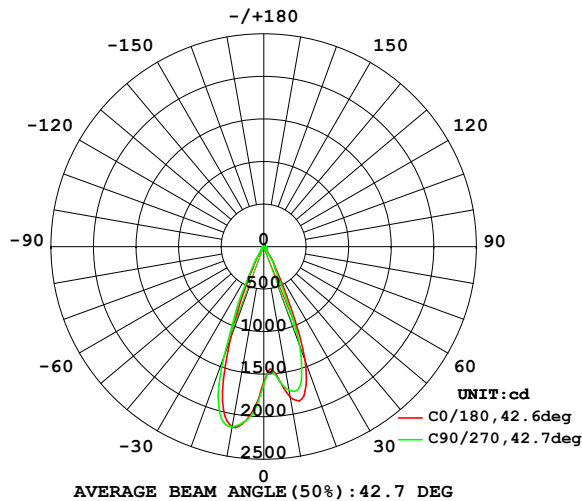


LUMINAIRE PHOTOMETRIC TEST REPORT

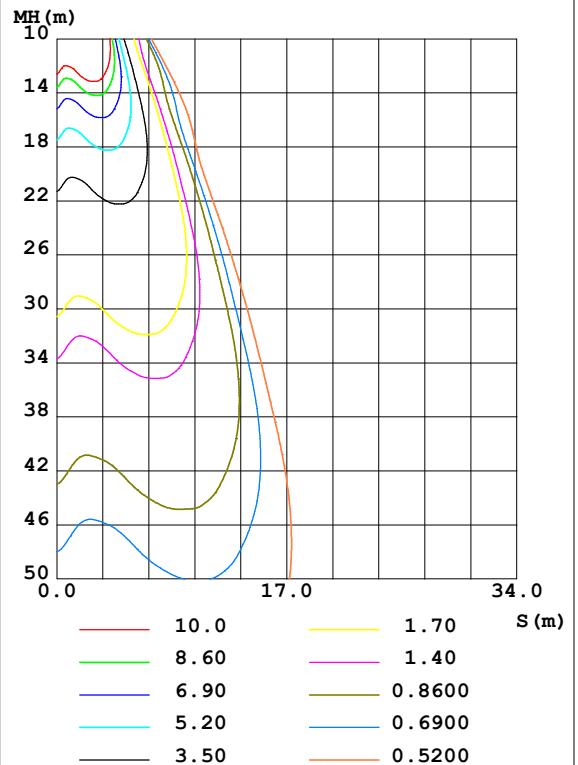
Test:U:120.5V I:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.82 lm/W			
MODEL		I _{max} (cd)	2171	S/MH (C0/180)	0.65
NOMINAL POWER(W)	12.5	LOR(%)	100.0	S/MH (C90/270)	0.68
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	1094.5	η UP,DN (C0-180)	0.0,47.5
NOMINAL FLUX(lm)	1094.49	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,52.5
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	1792	1476	1707	2066	2148	2135	2146	2124	0- 10	174.6	174.6	16
20	1423	1346	1236	1153	1134	1217	1354	1457	10- 20	490.8	665.4	60.8
30	251.4	244.9	238.7	210.1	193.3	199.6	229.8	252.1	20- 30	275.5	940.9	86
40	46.53	46.17	44.04	42.62	41.02	40.66	42.28	45.24	30- 40	60.67	1002	91.5
50	34.32	34.40	33.82	32.67	31.42	31.07	31.94	33.32	40- 50	28.79	1030	94.1
60	26.43	26.46	25.78	24.58	23.26	22.77	23.74	25.32	50- 60	25.84	1056	96.5
70	18.30	18.22	17.45	16.31	15.25	15.06	15.94	17.29	60- 70	20.58	1077	98.4
80	9.317	9.152	8.325	7.435	6.826	6.931	7.720	8.661	70- 80	13.12	1090	99.6
90	0.1164	0	0	0	0	0	0	0.0087	80- 90	3.951	1094	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0010	1094	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1094	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1094	99.9
130	0	0	0	0	0.0002	0	0	0	120-130	0.0000	1094	99.9
140	0.1084	0.1661	0.1465	0.1788	0.2298	0.1594	0.1853	0.1467	130-140	0.0453	1094	99.9
150	0.3316	0.4021	0.3701	0.4021	0.4725	0.4084	0.4469	0.3828	140-150	0.1750	1094	100
160	0.4914	0.5042	0.5042	0.5042	0.5552	0.5361	0.5490	0.5361	150-160	0.2222	1094	100
170	0.4977	0.4787	0.4788	0.4723	0.5170	0.5361	0.5170	0.5234	160-170	0.1464	1094	100
180	0.5170	0.5233	0.5106	0.5233	0.5170	0.5170	0.5170	0.5233	170-180	0.0481	1094	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

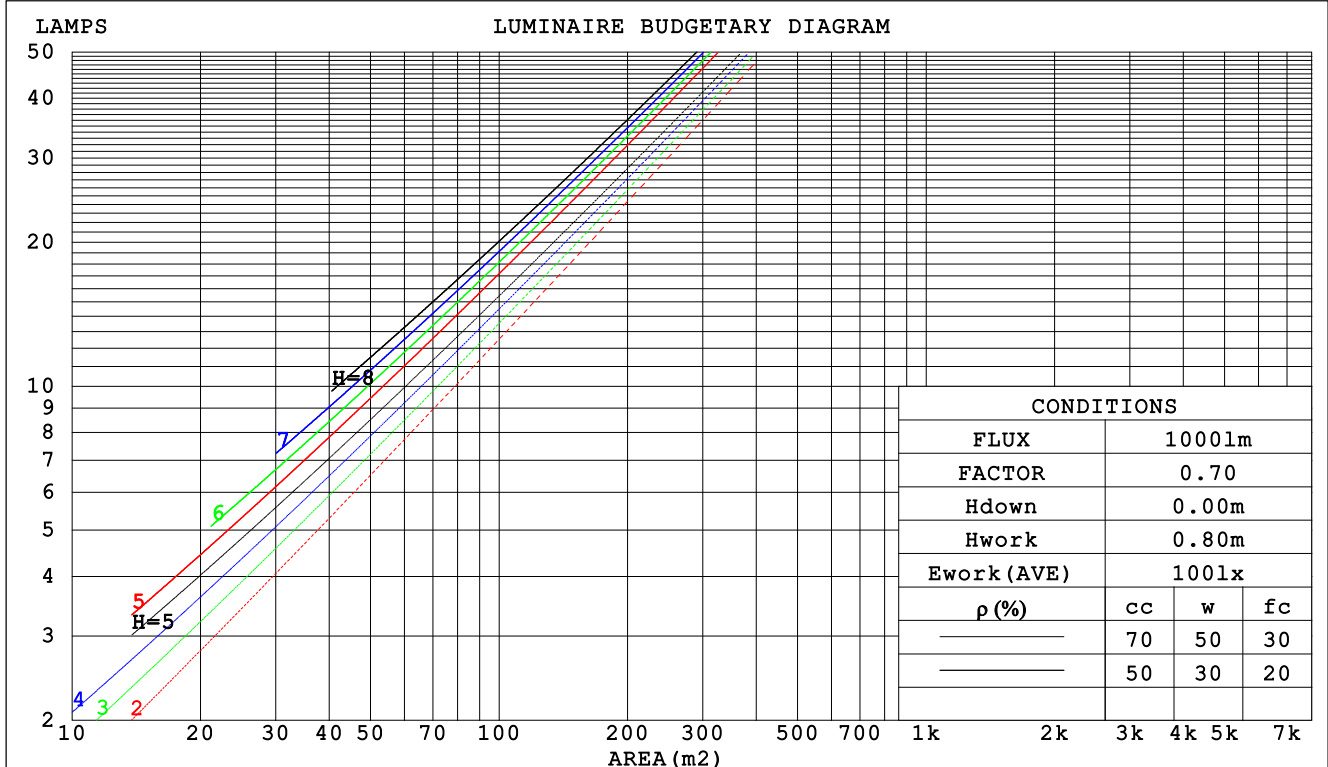
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
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	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.83	.80	.79
5.0	.88	.82	.79	.87	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.83	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71
7.0	.80	.74	.71	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.68
8.0	.76	.71	.67	.76	.71	.67	.74	.70	.67	.74	.69	.66	.73	.69	.66	.65
9.0	.73	.68	.64	.72	.67	.64	.71	.67	.64	.71	.67	.64	.70	.66	.63	.62
10.0	.70	.65	.61	.69	.65	.61	.69	.64	.61	.68	.64	.61	.67	.64	.61	.60



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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	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	.174	.099	.031	.167	.095	.030	.154	.089	.028	.143	.082	.026	.132	.077	.025		
2.0	.162	.089	.027	.157	.086	.027	.146	.081	.025	.136	.077	.024	.127	.072	.023		
3.0	.152	.081	.024	.147	.079	.024	.138	.075	.023	.130	.071	.022	.122	.068	.021		
4.0	.142	.074	.022	.138	.072	.021	.131	.069	.021	.123	.066	.020	.117	.063	.019		
5.0	.134	.068	.020	.131	.067	.020	.124	.065	.019	.118	.062	.018	.112	.060	.018		
6.0	.127	.064	.018	.124	.062	.018	.118	.060	.018	.113	.058	.017	.107	.057	.017		
7.0	.120	.059	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.103	.054	.016		
8.0	.115	.056	.016	.112	.055	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015		
9.0	.109	.053	.015	.107	.052	.015	.103	.051	.014	.099	.050	.014	.096	.049	.014		
10.0	.105	.050	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.093	.047	.013		

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	.147	.135	.125	.100	.093	.087	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.099	.091	.079	.069	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.056	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.075	.112	.086	.065	.077	.060	.046	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.062	.104	.075	.054	.072	.053	.038	.042	.031	.023	.013	.010	.007	
6.0	.113	.078	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.044	.091	.061	.039	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.039	.024	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.029	.057	.035	.021	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.077	.046	.026	.054	.033	.018	.031	.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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm										
NAME: ADL 12.5W ADR4WH 40°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR4WH 40°					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	1.6	2.5	1.9	2.6	2.8	1.4	2.3	1.6	2.4	2.6
3H	3.1	3.9	3.4	4.1	4.3	2.9	3.7	3.1	3.9	4.1
4H	3.8	4.6	4.1	4.8	5.0	3.6	4.3	3.9	4.5	4.8
6H	4.4	5.1	4.7	5.4	5.6	4.1	4.8	4.4	5.1	5.3
8H	4.7	5.4	5.0	5.6	5.9	4.3	5.0	4.6	5.3	5.5
12H	4.8	5.5	5.2	5.8	6.0	4.4	5.1	4.8	5.4	5.6
4H 2H	2.2	2.9	2.5	3.2	3.4	2.0	2.8	2.3	3.0	3.2
3H	3.9	4.6	4.2	4.8	5.1	3.7	4.4	4.1	4.7	4.9
4H	4.8	5.4	5.1	5.7	6.0	4.6	5.2	4.9	5.5	5.8
6H	5.5	6.1	5.9	6.4	6.7	5.2	5.8	5.6	6.1	6.5
8H	5.8	6.3	6.2	6.7	7.0	5.5	6.0	5.9	6.3	6.7
12H	6.1	6.5	6.5	6.9	7.3	5.7	6.1	6.1	6.5	6.9
8H 4H	5.1	5.6	5.5	5.9	6.3	4.9	5.4	5.3	5.7	6.1
6H	6.0	6.4	6.4	6.8	7.2	5.7	6.2	6.2	6.6	7.0
8H	6.4	6.8	6.8	7.2	7.6	6.1	6.5	6.5	6.9	7.3
12H	6.7	7.0	7.2	7.5	7.9	6.3	6.6	6.8	7.1	7.6
12H 4H	5.1	5.6	5.5	5.9	6.3	4.9	5.4	5.3	5.8	6.1
6H	6.1	6.4	6.5	6.9	7.3	5.8	6.2	6.3	6.6	7.1
8H	6.5	6.8	7.0	7.3	7.7	6.2	6.5	6.7	7.0	7.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1094 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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	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) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	79
1.00	98	92	88	97	92	88	96	92	88	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	105	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	106	98
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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1016.4 lm

%lum = 92.9%

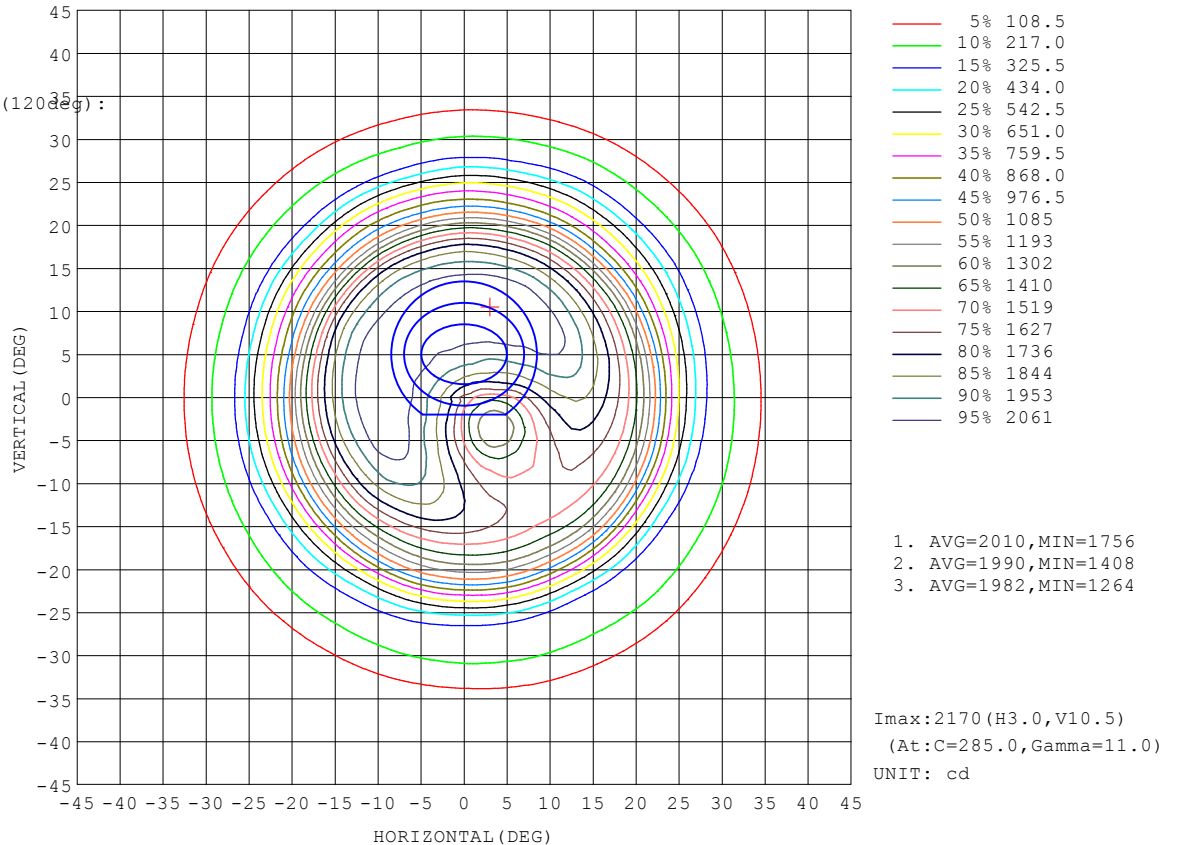
%lamp = 92.9%

Conical surface Flux(120deg):

1056.2 lm

%lum = 96.5%

%lamp = 96.5%

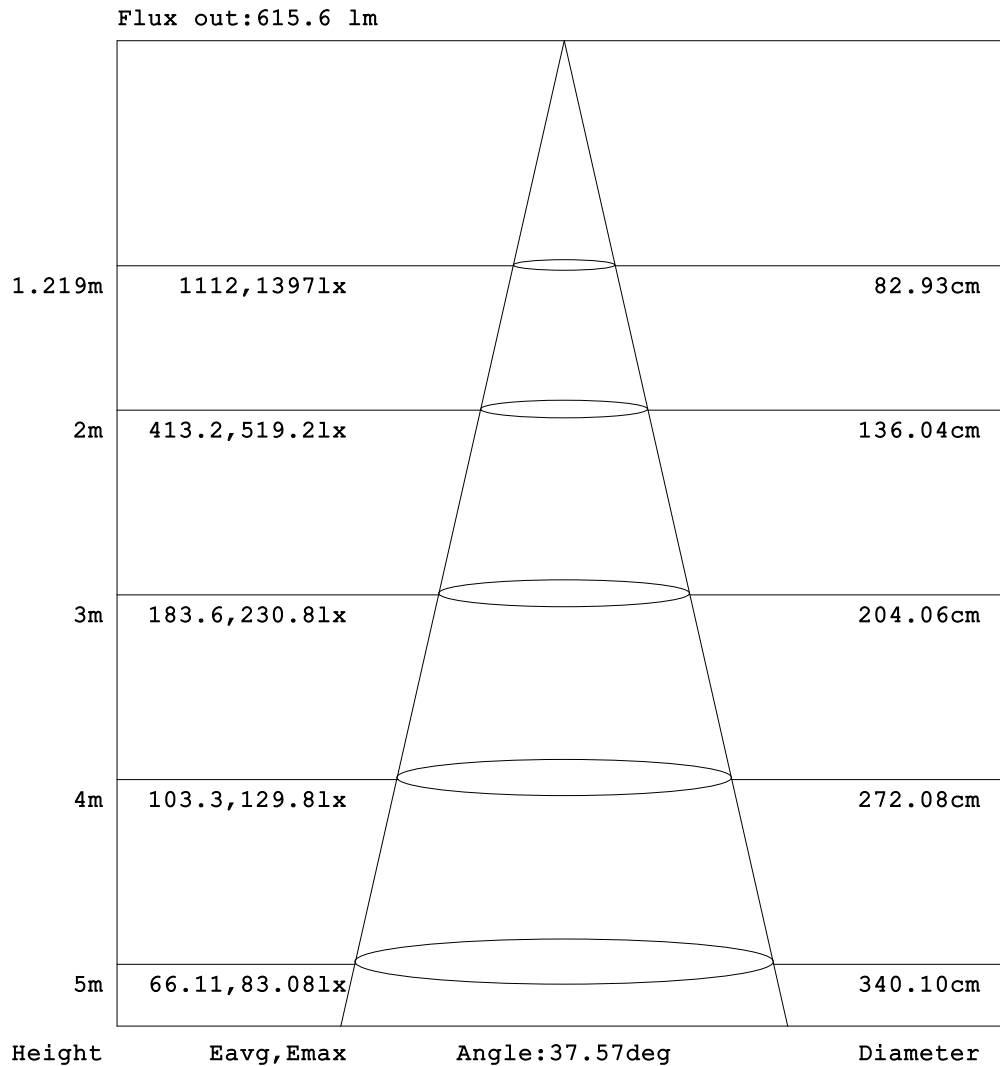


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



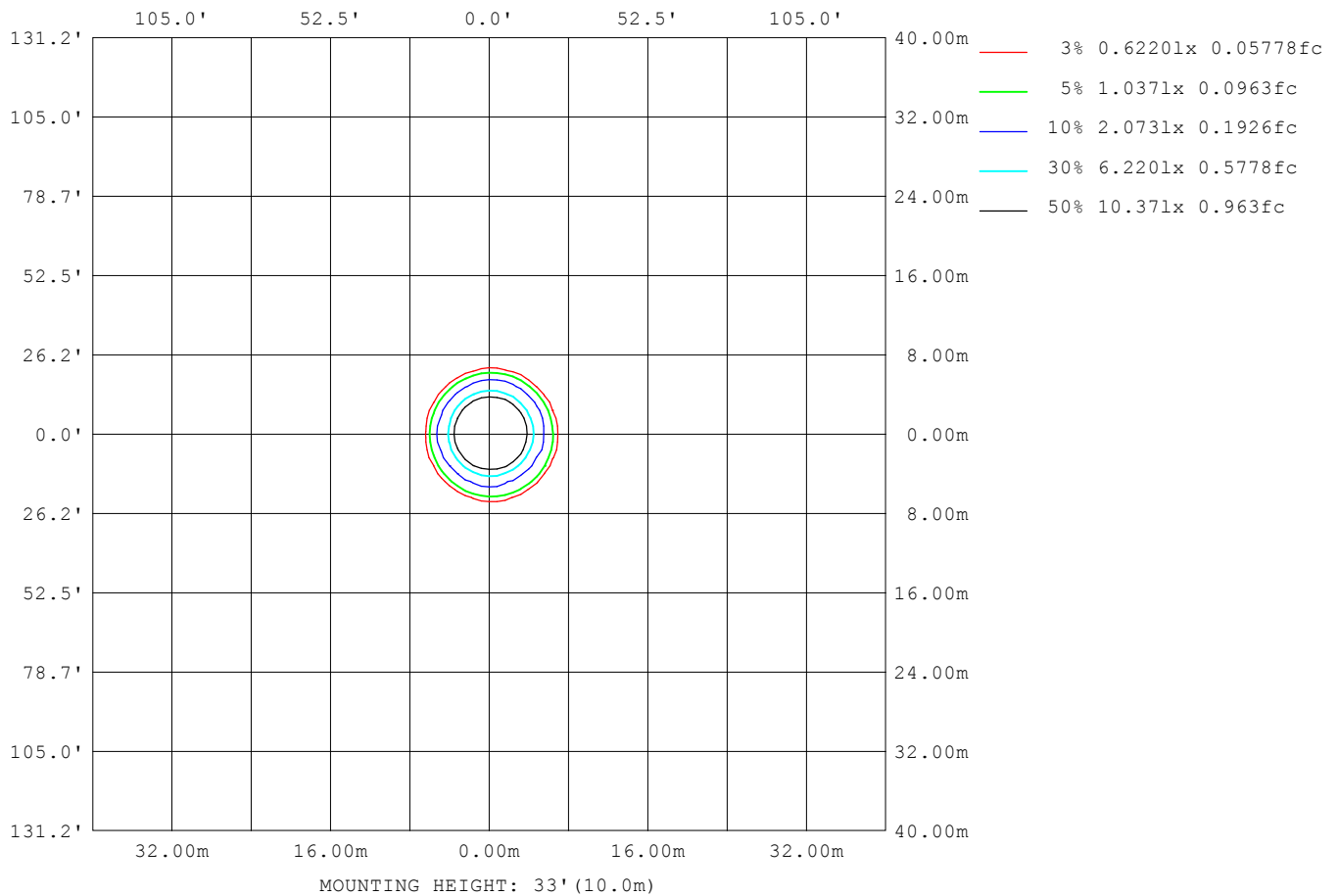
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

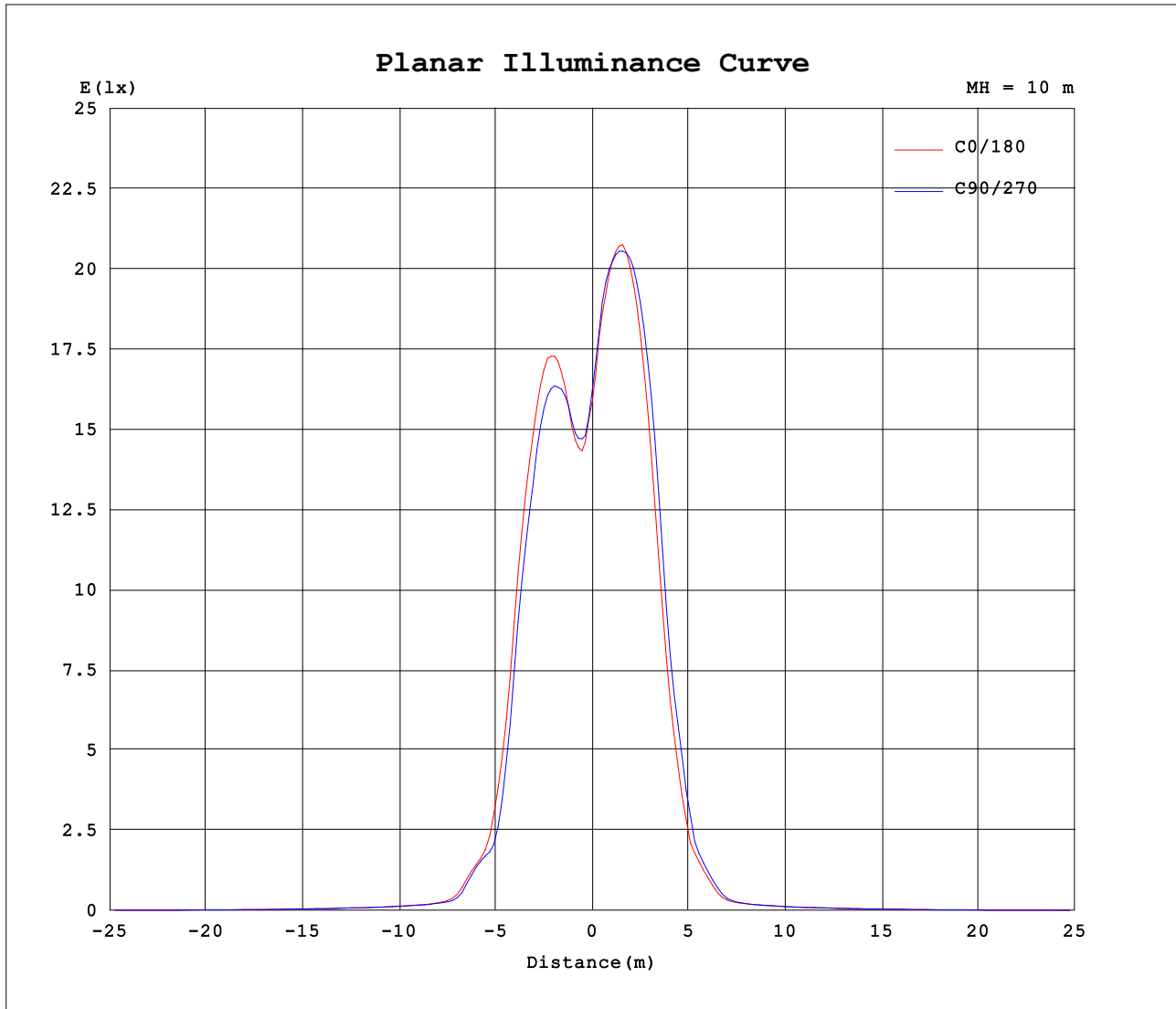
Test:U:120.5V I:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	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	1588	1595	1594	1605	1606	1621	1623	1636	1634	1638	1639	1636	1588	1595	1594	1605	1606	1621	1623
5	1483	1345	1247	1209	1245	1355	1505	1650	1781	1877	1952	1992	2005	2019	2037	2039	2025	2028	2021
10	1792	1645	1527	1476	1488	1583	1707	1861	1978	2066	2128	2150	2148	2151	2142	2135	2141	2132	2146
15	1818	1715	1640	1595	1594	1628	1677	1719	1746	1794	1816	1845	1877	1912	1956	1970	1999	2000	2018
20	1423	1401	1377	1346	1292	1271	1236	1210	1175	1153	1142	1133	1134	1132	1180	1217	1263	1296	1354
25	646	631	594	565	519	498	466	462	447	456	457	473	478	488	516	535	579	601	644
30	251	250	244	245	241	240	239	230	217	210	199	195	193	192	194	200	207	212	230
35	92.4	91.7	88.8	88.3	83.1	81.1	71.8	67.1	63.3	62.3	60.2	59.7	59.1	58.4	60.1	61.0	63.4	65.5	68.8
40	46.5	46.5	46.3	46.2	45.5	44.9	44.0	43.6	42.9	42.6	42.1	41.5	41.0	40.5	40.6	40.7	41.1	41.5	42.3
45	38.8	38.9	38.6	38.4	37.9	37.6	37.2	37.0	36.5	36.2	35.7	35.3	35.1	34.8	34.8	34.9	35.1	35.3	35.8
50	34.3	34.5	34.4	34.4	34.3	34.1	33.8	33.6	33.1	32.7	32.2	31.7	31.4	31.2	31.1	31.1	31.3	31.5	31.9
55	30.5	30.7	30.6	30.6	30.4	30.2	29.9	29.6	29.1	28.7	28.1	27.7	27.3	27.0	26.9	26.9	27.1	27.4	27.9
60	26.4	26.6	26.5	26.5	26.3	26.1	25.8	25.5	25.0	24.6	24.0	23.6	23.3	22.9	22.8	22.8	23.0	23.2	23.7
65	22.4	22.6	22.5	22.4	22.2	22.0	21.7	21.5	20.9	20.6	20.0	19.6	19.3	19.0	18.9	18.9	19.1	19.4	19.8
70	18.3	18.4	18.3	18.2	18.0	17.8	17.5	17.2	16.7	16.3	15.8	15.5	15.2	15.0	15.0	15.1	15.2	15.5	15.9
75	13.9	14.0	13.9	13.8	13.5	13.3	13.0	12.7	12.2	11.9	11.6	11.3	11.1	11.0	11.0	11.1	11.3	11.5	11.9
80	9.32	9.38	9.26	9.15	8.88	8.66	8.32	8.08	7.68	7.44	7.12	6.95	6.83	6.74	6.84	6.93	7.17	7.38	7.72
85	4.65	4.70	4.53	4.43	4.14	3.94	3.58	3.39	3.03	2.87	2.61	2.53	2.46	2.42	2.57	2.65	2.91	3.08	3.41
90	0.12	0.14	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	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	0.04	0.00	0.06	0.02	0.05	0.03	0.07	0.03	0.08	0.03	0.06	0.11	0.08	0.08	0.04	0.08	0.03	0.07
140	0.11	0.15	0.13	0.17	0.13	0.18	0.15	0.19	0.14	0.18	0.15	0.17	0.23	0.18	0.20	0.16	0.20	0.14	0.19
145	0.22	0.26	0.24	0.29	0.25	0.29	0.26	0.31	0.26	0.29	0.26	0.29	0.35	0.30	0.34	0.29	0.33	0.27	0.31
150	0.33	0.37	0.34	0.40	0.36	0.40	0.37	0.41	0.38	0.40	0.38	0.40	0.47	0.43	0.46	0.41	0.45	0.40	0.45
155	0.42	0.46	0.45	0.48	0.45	0.49	0.47	0.49	0.45	0.49	0.47	0.49	0.55	0.51	0.54	0.50	0.55	0.50	0.54
160	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.52	0.50	0.50	0.51	0.50	0.56	0.54	0.54	0.54	0.54	0.54	0.55
165	0.50	0.50	0.52	0.50	0.50	0.50	0.51	0.50	0.50	0.48	0.50	0.50	0.53	0.54	0.52	0.54	0.54	0.55	0.54
170	0.50	0.49	0.49	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.49	0.50	0.52	0.52	0.51	0.54	0.52	0.54	0.52
175	0.50	0.50	0.49	0.50	0.49	0.49	0.48	0.50	0.49	0.51	0.50	0.51	0.52	0.52	0.51	0.52	0.52	0.52	0.52
180	0.52	0.52	0.50	0.52	0.50	0.52	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.52	0.52	0.52	0.52

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:0.1178A P:12.32W PF:0.8677 Lamp Flux:1094.49x1 lm		
NAME: ADL 12.5W ADR4WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR4WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1636	1634	1638	1639	1636														
5	2006	1949	1894	1818	1702														
10	2160	2149	2124	2059	1949														
15	2033	2048	2011	1978	1912														
20	1387	1444	1457	1467	1444														
25	659	687	682	687	668														
30	236	249	252	259	255														
35	71.3	76.4	82.0	88.0	90.0														
40	43.1	44.2	45.2	46.3	46.5														
45	36.4	37.1	37.6	38.2	38.5														
50	32.4	32.9	33.3	33.8	34.1														
55	28.4	28.9	29.4	29.9	30.3														
60	24.2	24.8	25.3	25.9	26.2														
65	20.3	20.9	21.3	21.8	22.2														
70	16.4	16.9	17.3	17.8	18.1														
75	12.3	12.7	13.1	13.5	13.7														
80	8.02	8.41	8.66	9.00	9.19														
85	3.63	3.96	4.15	4.45	4.55														
90	0.00	0.00	0.01	0.06	0.09														
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	0.02	0.06	0.02	0.06	0.03														
140	0.13	0.17	0.15	0.19	0.15														
145	0.27	0.29	0.27	0.31	0.27														
150	0.40	0.42	0.38	0.45	0.39														
155	0.50	0.54	0.50	0.54	0.50														
160	0.55	0.54	0.54	0.54	0.54														
165	0.55	0.52	0.53	0.51	0.54														
170	0.54	0.51	0.52	0.51	0.52														
175	0.52	0.51	0.52	0.50	0.51														
180	0.52	0.52	0.52	0.52	0.52														

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