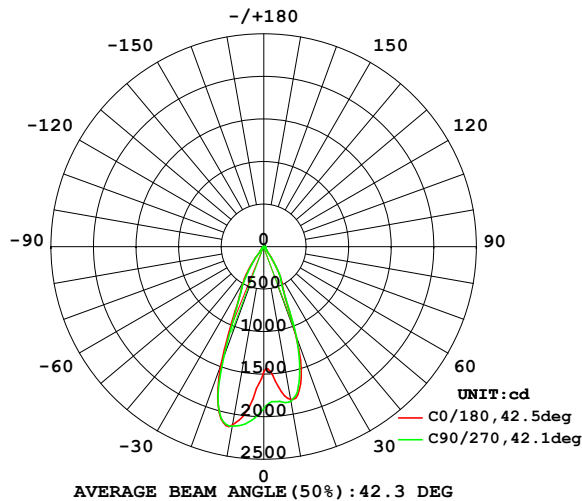


LUMINAIRE PHOTOMETRIC TEST REPORT

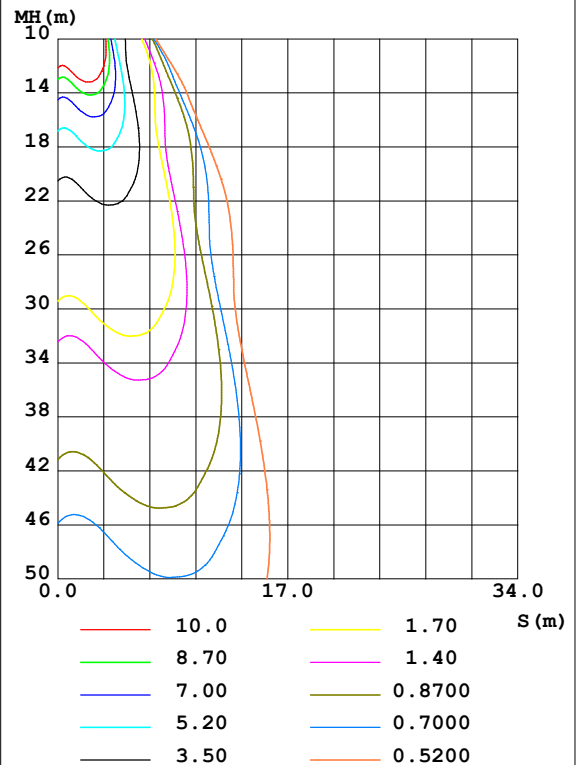
Test:U:120.5V I:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.60 lm/W			
MODEL		I _{max} (cd)	2183	S/MH (C0/180)	0.77
NOMINAL POWER (W)	12.5	LOR (%)	100.0	S/MH (C90/270)	0.69
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	1176.8	η UP, DN (C0-180)	0.0, 43.2
NOMINAL FLUX (lm)	1176.81	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 56.7
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	1822	1425	1847	1991	2127	2140	2144	2107	0- 10	180.7	180.7	15.4
20	1109	1371	1130	778.9	1463	1080	1364	1763	10- 20	479.7	660.4	56.1
30	367.4	412.7	367.0	275.6	488.6	366.0	466.1	571.4	20- 30	325.6	986.0	83.8
40	52.73	64.17	56.28	32.10	64.43	42.03	58.98	90.74	30- 40	125.0	1111	94.4
50	20.37	21.66	20.76	19.24	20.82	19.20	20.21	22.22	40- 50	24.73	1136	96.5
60	15.30	16.70	15.75	14.28	15.86	14.18	15.22	17.02	50- 60	16.15	1152	97.9
70	10.28	11.67	10.74	9.293	10.90	9.176	10.20	11.97	60- 70	12.90	1165	99
80	5.067	6.535	5.534	3.944	5.803	4.087	5.121	6.898	70- 80	8.419	1173	99.7
90	0	0.5776	0	0	0.0381	0	0	1.355	80- 90	2.863	1176	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0395	1176	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1176	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1176	99.9
130	0	0	0	0.0512	0	0	0.0000	0	120-130	0.0007	1176	99.9
140	0.1977	0.1855	0.1978	0.2682	0.1854	0.1977	0.1981	0.1148	130-140	0.0649	1176	99.9
150	0.4019	0.4150	0.3955	0.4789	0.4341	0.4659	0.4469	0.3508	140-150	0.1919	1176	100
160	0.5231	0.5553	0.5297	0.5489	0.5998	0.5934	0.6063	0.5425	150-160	0.2335	1177	100
170	0.5361	0.5553	0.5361	0.5680	0.5999	0.6127	0.6063	0.6063	160-170	0.1616	1177	100
180	0.6063	0.5935	0.6063	0.6127	0.5999	0.6063	0.5999	0.6255	170-180	0.0556	1177	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

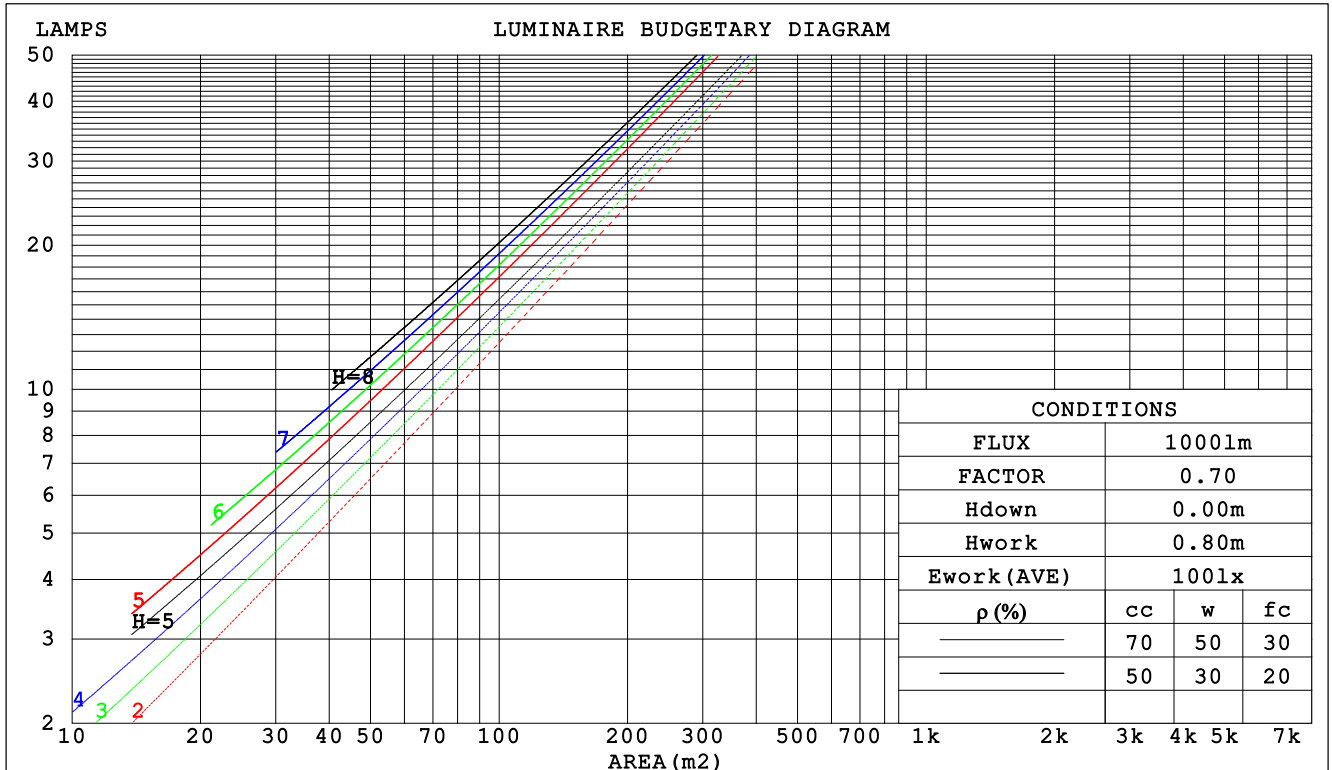
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 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	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.93	.90	.97	.92	.89	.94	.91	.88	.92	.89	.86	.89	.87	.85	.84
4.0	.93	.88	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.86	.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	.77	.74	.81	.77	.73	.80	.76	.73	.78	.75	.72	.71
7.0	.79	.74	.70	.79	.74	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.68
8.0	.76	.70	.67	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.64
9.0	.72	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.61
10.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.63	.60	.59



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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm					
NAME: ADL 12.5W ADR9.5WH 40°			TYPE:LED		WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 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	.170	.097	.031	.163	.093	.030	.151	.086	.028	.139	.080	.026	.128	.074	.024		
2.0	.160	.087	.027	.154	.085	.026	.143	.080	.025	.134	.075	.023	.125	.071	.022		
3.0	.150	.080	.024	.145	.078	.023	.136	.074	.022	.128	.070	.022	.120	.067	.021		
4.0	.142	.074	.022	.138	.072	.021	.130	.069	.021	.123	.066	.020	.116	.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	.063	.018	.118	.061	.018	.113	.059	.017	.108	.057	.017		
7.0	.121	.060	.017	.119	.059	.017	.113	.057	.017	.109	.056	.016	.104	.054	.016		
8.0	.116	.057	.016	.113	.056	.016	.109	.054	.016	.105	.053	.015	.101	.052	.015		
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.014	.097	.049	.014		
10.0	.106	.051	.014	.104	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014		

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	.114	.133	.115	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.092	.122	.098	.080	.084	.068	.056	.048	.040	.033	.015	.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	.114	.078	.052	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.061	.039	.063	.043	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.064	.038	.087	.055	.033	.060	.039	.024	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.051	.029	.057	.036	.021	.033	.021	.012	.011	.007	.004	
10.0	.091	.054	.029	.078	.047	.025	.054	.033	.018	.032	.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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm										
NAME: ADL 12.5W ADR9.5WH 40°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR9.5WH 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	0.8	1.6	1.0	1.8	1.9	1.4	2.3	1.6	2.4	2.6
3H	1.4	2.1	1.6	2.3	2.5	1.9	2.7	2.2	2.9	3.1
4H	1.7	2.5	2.0	2.7	2.9	2.3	3.0	2.5	3.2	3.4
6H	2.0	2.7	2.3	3.0	3.2	2.6	3.3	2.9	3.5	3.8
8H	2.1	2.8	2.4	3.1	3.3	2.7	3.4	3.0	3.6	3.9
12H	2.2	2.9	2.5	3.1	3.4	2.8	3.4	3.1	3.7	4.0
4H 2H	0.9	1.7	1.2	1.9	2.1	1.5	2.2	1.8	2.5	2.7
3H	1.8	2.4	2.1	2.7	2.9	2.3	2.9	2.6	3.2	3.5
4H	2.3	2.9	2.6	3.2	3.5	2.8	3.3	3.1	3.6	3.9
6H	2.7	3.3	3.1	3.6	3.9	3.2	3.8	3.6	4.1	4.4
8H	2.9	3.4	3.3	3.8	4.1	3.4	3.9	3.8	4.3	4.6
12H	3.1	3.5	3.5	3.9	4.3	3.6	4.0	4.0	4.4	4.8
8H 4H	2.5	3.0	2.9	3.3	3.7	2.9	3.4	3.3	3.8	4.1
6H	3.1	3.5	3.6	3.9	4.4	3.6	4.0	4.0	4.4	4.8
8H	3.4	3.8	3.9	4.2	4.6	3.9	4.3	4.4	4.7	5.1
12H	3.6	3.9	4.1	4.4	4.9	4.2	4.5	4.6	4.9	5.4
12H 4H	2.5	3.0	2.9	3.3	3.7	2.9	3.4	3.4	3.8	4.2
6H	3.2	3.6	3.7	4.0	4.4	3.7	4.0	4.1	4.4	4.9
8H	3.6	3.9	4.0	4.3	4.8	4.0	4.3	4.5	4.8	5.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.5				
1.5H	+ 0.8 / - 0.4					+ 0.7 / - 0.5				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1177 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.6)

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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 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) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	81	78	75
0.80	95	90	86	95	89	86	93	89	85	82
1.00	99	94	90	99	93	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	102	105	103	101	95
3.00	112	108	106	110	107	104	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1126.3 lm

%lum = 95.7%

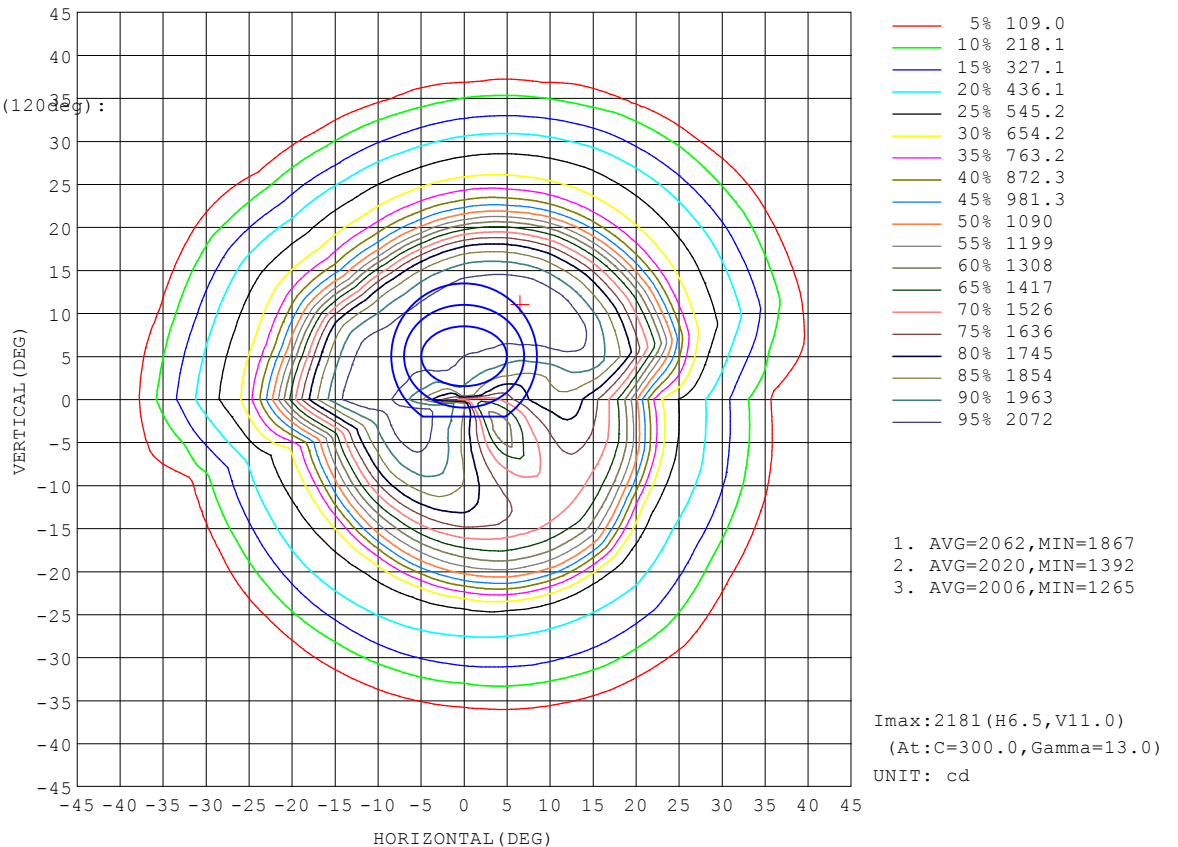
%lamp = 95.7%

Conical surface Flux(120deg):

1151.9 lm

%lum = 97.9%

%lamp = 97.9%

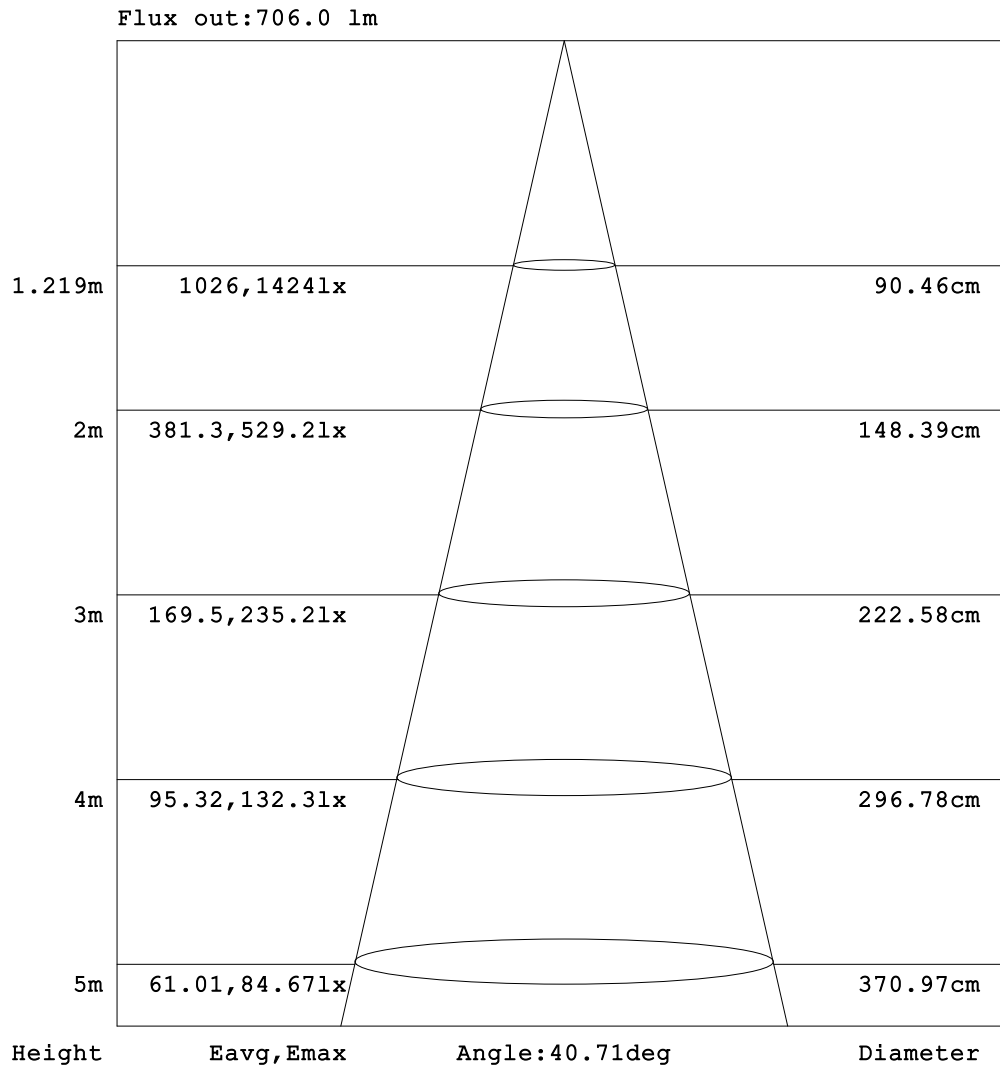


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



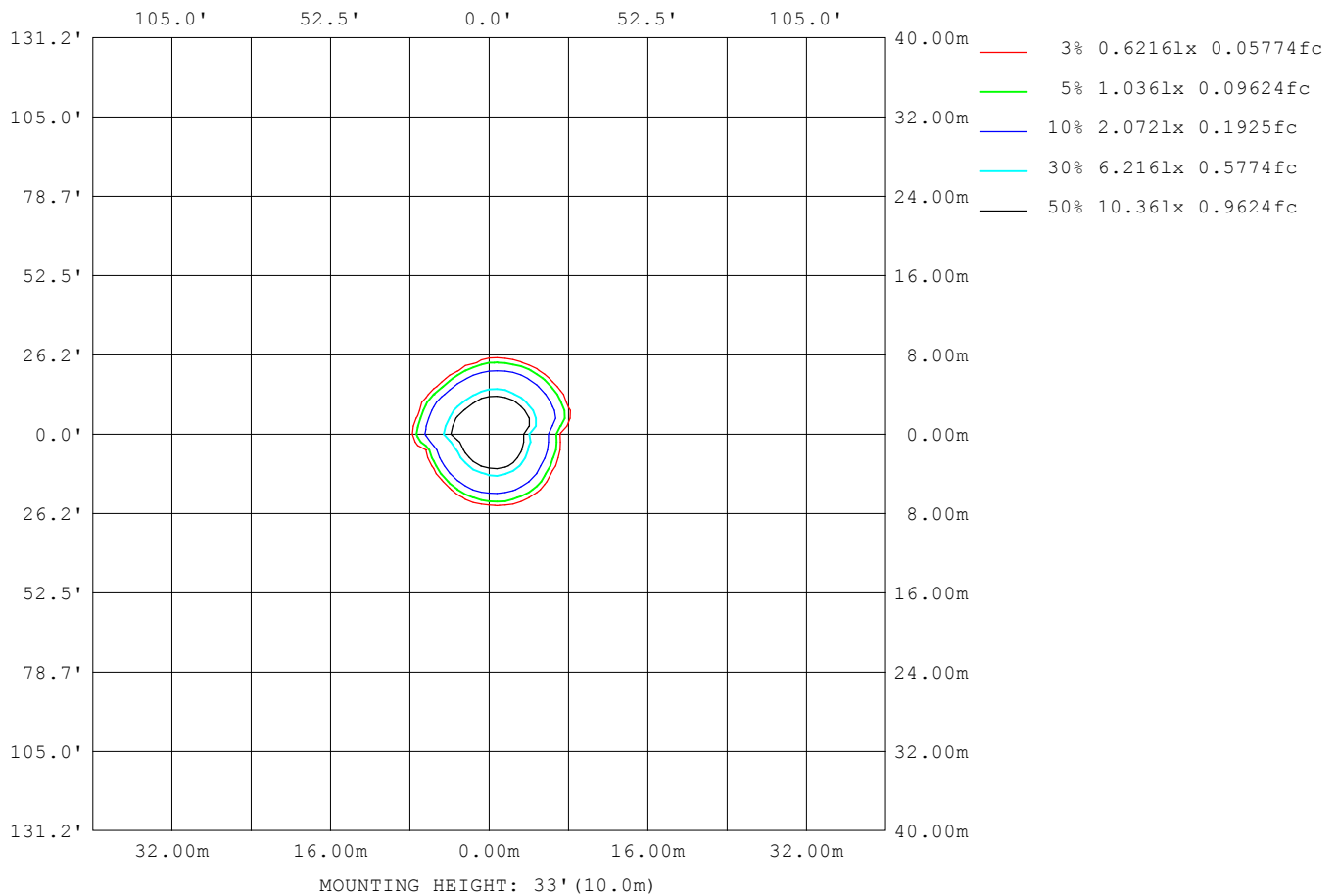
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

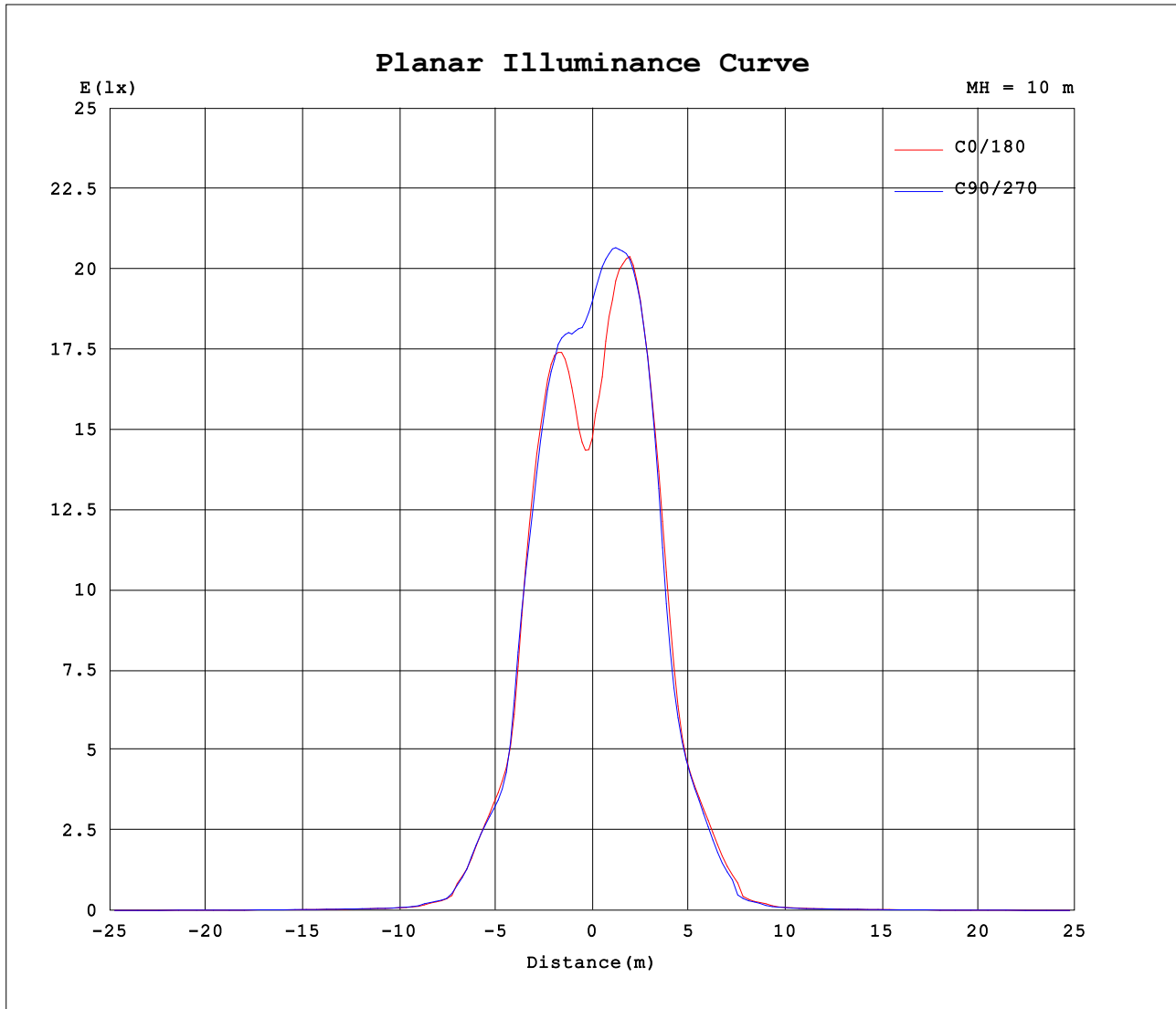
Test:U:120.5V I:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 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	1474	1565	1599	1774	1867	1888	1899	1906	1907	1907	1908	1902	1474	1565	1599	1774	1867	1888	1899
5	1587	1387	1260	1286	1501	1677	1828	1926	2004	2062	2111	2118	1872	1975	2025	2086	2104	2093	2071
10	1822	1667	1533	1425	1550	1694	1847	1933	1973	1991	2006	2014	2127	2137	2138	2140	2128	2144	2144
15	1673	1648	1605	1574	1608	1639	1625	1588	1537	1503	1457	1463	2020	1985	1984	1885	1886	1950	2019
20	1109	1256	1298	1371	1324	1247	1130	1010	869	779	742	737	1463	1323	1283	1080	1085	1190	1364
25	542	565	567	658	628	556	509	497	487	485	479	485	728	668	669	604	608	650	707
30	367	390	385	413	402	387	367	342	304	276	253	253	489	452	437	366	370	409	466
35	153	167	163	206	201	168	143	115	78.6	72.5	66.8	65.8	251	209	195	110	115	156	219
40	52.7	57.7	58.8	64.2	62.2	59.9	56.3	50.5	37.9	32.1	29.7	28.6	64.4	58.6	55.9	42.0	43.2	52.5	59.0
45	24.4	27.3	28.2	30.8	30.8	29.2	26.3	23.2	22.2	21.6	21.2	21.0	28.1	25.9	25.1	22.1	22.2	23.6	26.8
50	20.4	20.9	21.1	21.7	21.6	21.3	20.8	20.2	19.7	19.2	18.8	18.5	20.8	20.2	19.9	19.2	19.2	19.6	20.2
55	17.8	18.4	18.6	19.2	19.2	18.8	18.3	17.8	17.2	16.8	16.3	16.1	18.4	17.7	17.4	16.7	16.7	17.1	17.7
60	15.3	15.9	16.1	16.7	16.6	16.2	15.7	15.3	14.7	14.3	13.8	13.6	15.9	15.2	14.9	14.2	14.2	14.6	15.2
65	12.8	13.4	13.5	14.2	14.1	13.7	13.3	12.8	12.2	11.8	11.4	11.1	13.4	12.7	12.4	11.7	11.7	12.1	12.7
70	10.3	10.9	11.0	11.7	11.6	11.2	10.7	10.3	9.72	9.29	8.86	8.60	10.9	10.2	9.90	9.18	9.20	9.60	10.2
75	7.74	8.30	8.50	9.12	9.06	8.70	8.20	7.71	7.17	6.73	6.30	6.03	8.38	7.68	7.37	6.65	6.68	7.09	7.69
80	5.07	5.66	5.87	6.54	6.48	6.08	5.53	5.00	4.43	3.94	3.51	3.27	5.80	5.10	4.79	4.09	4.12	4.53	5.12
85	2.13	2.79	3.01	3.72	3.66	3.20	2.60	1.98	1.32	0.81	0.36	0.18	3.06	2.36	2.10	1.40	1.46	1.90	2.48
90	0.00	0.00	0.01	0.58	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	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	0.02	0.01	0.05	0.01	0.06	0.00	0.00	0.00	0.00	0.02	0.00
135	0.09	0.10	0.07	0.08	0.04	0.09	0.09	0.13	0.11	0.15	0.12	0.15	0.08	0.08	0.09	0.09	0.12	0.08	0.07
140	0.20	0.21	0.18	0.19	0.15	0.21	0.20	0.24	0.23	0.27	0.24	0.27	0.19	0.18	0.22	0.20	0.24	0.19	0.20
145	0.29	0.32	0.29	0.30	0.27	0.31	0.29	0.35	0.33	0.39	0.35	0.38	0.32	0.30	0.35	0.33	0.36	0.31	0.33
150	0.40	0.43	0.40	0.42	0.38	0.43	0.40	0.45	0.43	0.48	0.46	0.49	0.43	0.43	0.47	0.47	0.48	0.43	0.45
155	0.49	0.51	0.50	0.50	0.47	0.51	0.50	0.53	0.51	0.54	0.50	0.54	0.54	0.52	0.56	0.54	0.57	0.52	0.56
160	0.52	0.55	0.52	0.56	0.52	0.56	0.53	0.55	0.52	0.55	0.53	0.56	0.60	0.58	0.61	0.59	0.61	0.60	0.61
165	0.54	0.56	0.53	0.56	0.54	0.56	0.54	0.55	0.52	0.55	0.53	0.57	0.60	0.60	0.61	0.60	0.61	0.59	0.61
170	0.54	0.56	0.53	0.56	0.54	0.56	0.54	0.55	0.52	0.57	0.54	0.59	0.60	0.60	0.61	0.61	0.61	0.60	0.61
175	0.56	0.57	0.55	0.58	0.56	0.57	0.54	0.58	0.56	0.60	0.59	0.60	0.61	0.60	0.61	0.61	0.61	0.61	0.61
180	0.61	0.61	0.60	0.59	0.59	0.59	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.61	0.61	0.61	0.59	0.60	0.60

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1204A P:12.71W PF:0.8763 Lamp Flux:1176.81x1 lm		
NAME: ADL 12.5W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR9.5WH 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	1906	1907	1907	1908	1902														
5	2048	2017	1958	1842	1685														
10	2155	2130	2107	2020	1859														
15	2072	2135	2157	2129	2014														
20	1537	1682	1763	1797	1761														
25	769	867	963	1081	1114														
30	515	554	571	581	569														
35	262	315	347	372	375														
40	65.7	78.3	90.7	148	159														
45	29.1	32.3	38.5	48.8	52.7														
50	20.8	21.5	22.2	23.0	23.7														
55	18.4	19.0	19.5	20.0	20.2														
60	15.8	16.5	17.0	17.5	17.7														
65	13.3	14.0	14.5	14.9	15.1														
70	10.8	11.5	12.0	12.4	12.6														
75	8.29	8.94	9.44	9.90	10.1														
80	5.73	6.38	6.90	7.36	7.57														
85	3.09	3.72	4.23	4.69	4.90														
90	0.23	0.88	1.35	1.80	2.00														
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	0.03	0.05	0.01	0.04	0.00														
140	0.13	0.16	0.11	0.15	0.11														
145	0.27	0.29	0.23	0.27	0.23														
150	0.38	0.42	0.35	0.39	0.34														
155	0.50	0.53	0.48	0.50	0.47														
160	0.59	0.59	0.54	0.57	0.54														
165	0.60	0.61	0.59	0.59	0.59														
170	0.61	0.62	0.61	0.59	0.59														
175	0.61	0.61	0.60	0.59	0.58														
180	0.60	0.61	0.63	0.61	0.61														

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