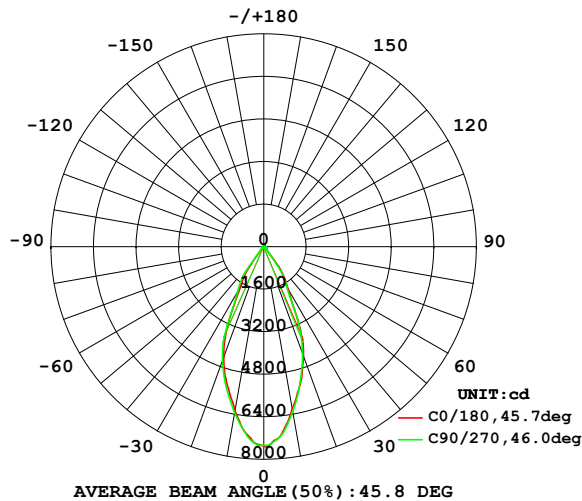


## LUMINAIRE PHOTOMETRIC TEST REPORT

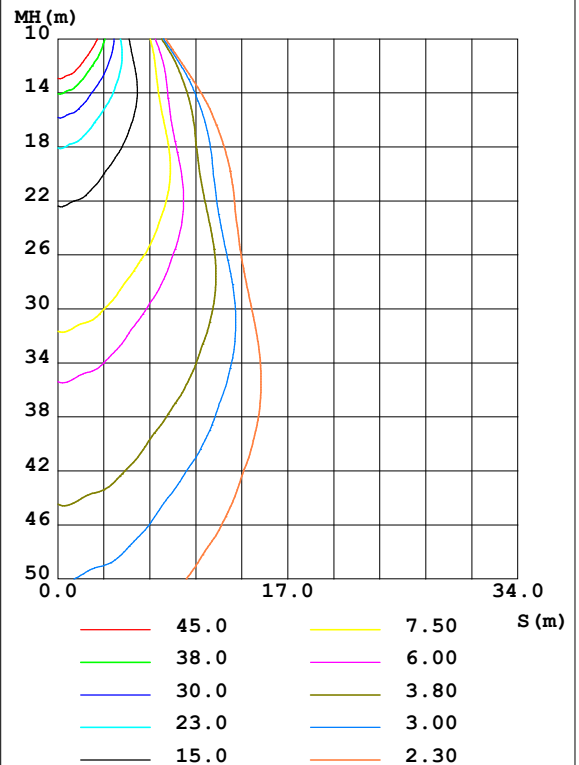
Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.92 lm/W			
MODEL		I <sub>max</sub> (cd)	7538	S/MH (C0/180)	0.71
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH (C90/270)	0.71
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	4540.3	η UP,DN (C0-180)	0.1,48.9
NOMINAL FLUX(lm)	4540.32	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,51.0
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.70

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:2018-06-01

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:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum
10	6190	6237	6303	6260	6258	6327	6345	6254	0- 10	652.4	652.4	14.4
20	4372	4301	4285	4347	4429	4508	4549	4502	10- 20	1489	2142	47.2
30	1828	1792	1734	1723	1798	1917	1984	1912	20- 30	1394	3536	77.9
40	316.1	294.7	250.0	233.3	238.6	275.1	314.9	330.3	30- 40	675.1	4211	92.7
50	106.4	106.1	104.0	101.3	99.89	100.3	102.5	104.6	40- 50	111.6	4322	95.2
60	83.32	83.34	81.61	79.16	77.73	78.13	80.00	81.79	50- 60	82.29	4405	97
70	59.60	59.54	57.66	55.23	54.04	54.63	56.51	58.24	60- 70	68.26	4473	98.5
80	32.89	32.08	29.80	27.74	27.16	28.35	30.57	32.16	70- 80	46.31	4519	99.5
90	0.1802	0	0	0	0	0.0006	0	0.4122	80- 90	15.65	4535	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0053	4535	99.9
110	0	0.0001	0	0.0001	0	0	0	0	100-110	0.0000	4535	99.9
120	0.2932	0.3642	0.3382	0.3576	0.3130	0.2736	0.2687	0.2420	110-120	0.1102	4535	99.9
130	0.9376	0.9901	0.9889	0.9835	0.9577	0.9059	0.8945	0.8870	120-130	0.5318	4536	99.9
140	1.755	1.806	1.812	1.807	1.795	1.742	1.724	1.710	130-140	1.031	4537	99.9
150	2.527	2.553	2.553	2.534	2.566	2.514	2.471	2.527	140-150	1.350	4538	99.9
160	2.936	2.949	2.948	2.910	2.981	2.974	2.981	2.968	150-160	1.280	4539	100
170	2.993	3.006	3.025	2.987	3.044	3.038	3.044	3.038	160-170	0.8511	4540	100
180	3.044	3.063	3.032	3.032	3.038	3.070	3.025	3.038	170-180	0.2896	4540	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

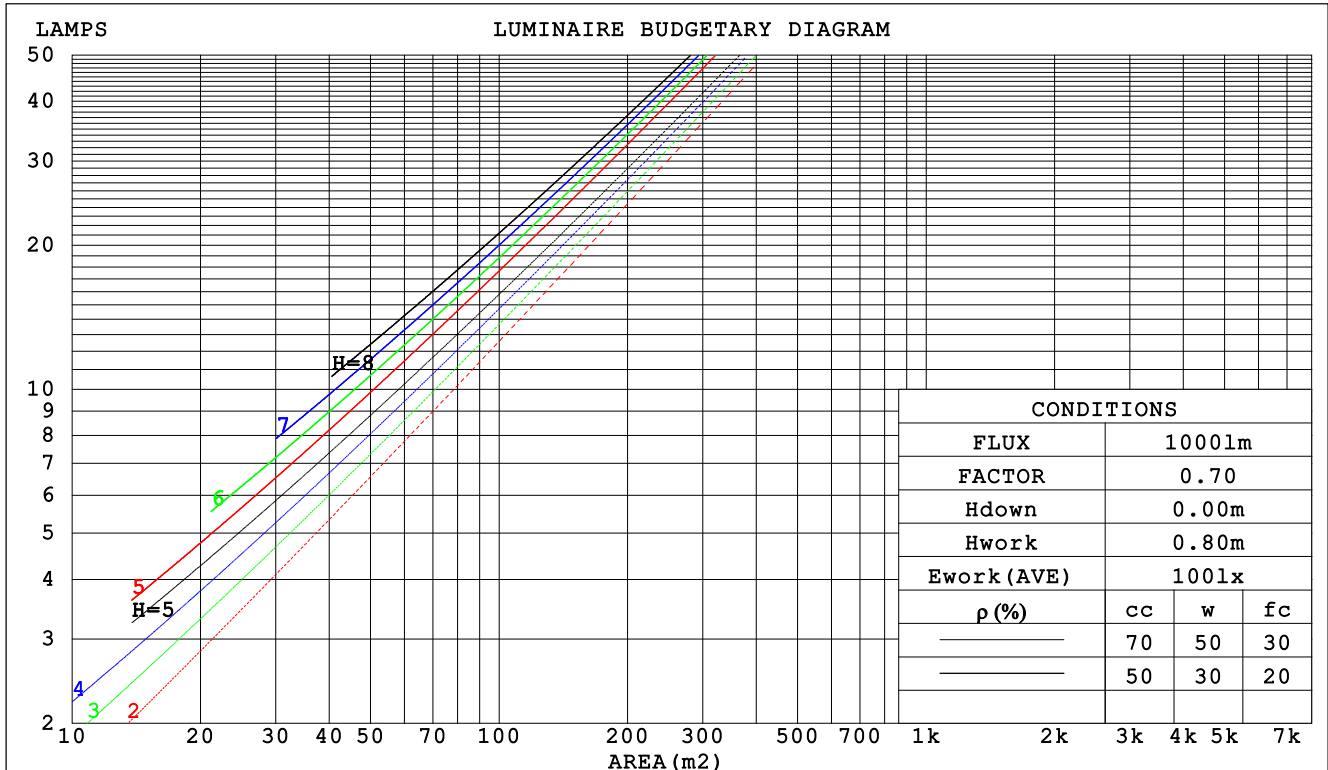
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR9.5WH 40°	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	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	1.08	1.06	1.08	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.81
4.0	.91	.85	.81	.90	.85	.81	.87	.83	.80	.85	.82	.79	.84	.81	.78	.76
5.0	.85	.80	.76	.85	.79	.75	.83	.78	.75	.81	.77	.74	.80	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.71	.67	.76	.70	.67	.75	.70	.66	.73	.69	.66	.72	.68	.66	.64
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.61
9.0	.69	.63	.60	.69	.63	.60	.68	.63	.59	.67	.62	.59	.66	.62	.59	.58
10.0	.66	.60	.57	.65	.60	.57	.65	.60	.56	.64	.59	.56	.63	.59	.56	.55



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:

### WEC AND CCEC

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	.180	.102	.032	.173	.099	.031	.161	.092	.029	.149	.086	.028	.138	.080	.026		
2.0	.170	.093	.029	.164	.090	.028	.153	.085	.026	.143	.080	.025	.134	.076	.024		
3.0	.160	.085	.025	.155	.083	.025	.146	.079	.024	.137	.075	.023	.130	.072	.022		
4.0	.151	.078	.023	.146	.077	.023	.139	.074	.022	.131	.071	.021	.125	.068	.021		
5.0	.142	.073	.021	.139	.071	.021	.132	.069	.020	.126	.066	.020	.120	.064	.019		
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.115	.061	.018		
7.0	.129	.064	.018	.126	.063	.018	.121	.061	.018	.116	.059	.017	.111	.058	.017		
8.0	.123	.060	.017	.120	.059	.017	.116	.058	.017	.111	.056	.016	.107	.055	.016		
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.016	.107	.054	.015	.103	.053	.015		
10.0	.113	.054	.015	.111	.053	.015	.107	.052	.015	.103	.051	.015	.100	.050	.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	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.172	.158	.146	.147	.136	.125	.101	.093	.087	.058	.054	.050	.019	.017	.016	
2.0	.157	.133	.114	.134	.115	.098	.092	.079	.069	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.091	.124	.099	.079	.085	.069	.055	.049	.040	.033	.016	.013	.011	
4.0	.133	.100	.074	.115	.086	.064	.079	.060	.045	.046	.035	.027	.015	.011	.009	
5.0	.124	.088	.061	.107	.076	.053	.074	.053	.038	.043	.031	.022	.014	.010	.007	
6.0	.117	.079	.051	.100	.068	.045	.069	.048	.032	.040	.028	.019	.013	.009	.006	
7.0	.110	.071	.044	.095	.062	.038	.065	.043	.027	.038	.025	.016	.012	.008	.005	
8.0	.104	.065	.038	.090	.056	.033	.062	.039	.023	.036	.023	.014	.012	.008	.005	
9.0	.099	.059	.033	.085	.052	.029	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.055	.029	.081	.048	.025	.056	.034	.018	.033	.020	.011	.011	.007	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

### UGR(Unified Glare Rating) Table

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm										
NAME: ADL 60W ADR9.5WH 40°					TYPE:LED			WEIGHT:		
SPEC.:ADL 60W 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	8.5	9.5	8.8	9.6	9.8	7.9	8.9	8.2	9.0	9.2
3H	9.0	9.9	9.3	10.1	10.3	8.5	9.4	8.8	9.6	9.8
4H	9.4	10.2	9.6	10.4	10.6	8.9	9.7	9.1	9.9	10.1
6H	9.7	10.4	10.0	10.7	10.9	9.2	10.0	9.5	10.2	10.4
8H	9.8	10.6	10.1	10.8	11.1	9.3	10.1	9.6	10.3	10.6
12H	10.0	10.6	10.3	10.9	11.2	9.4	10.1	9.7	10.4	10.7
4H 2H	8.6	9.4	8.9	9.6	9.8	8.0	8.8	8.3	9.0	9.3
3H	9.3	10.0	9.6	10.3	10.5	8.8	9.5	9.2	9.8	10.1
4H	9.8	10.4	10.1	10.7	11.0	9.4	10.0	9.7	10.3	10.6
6H	10.3	10.8	10.7	11.2	11.5	9.9	10.4	10.2	10.8	11.1
8H	10.5	11.0	10.9	11.4	11.7	10.1	10.6	10.5	10.9	11.3
12H	10.7	11.2	11.1	11.5	11.9	10.2	10.7	10.6	11.0	11.4
8H 4H	9.9	10.4	10.3	10.8	11.2	9.6	10.1	10.0	10.4	10.8
6H	10.6	11.0	11.0	11.4	11.8	10.2	10.6	10.6	11.0	11.5
8H	10.9	11.3	11.4	11.7	12.2	10.5	10.9	11.0	11.3	11.8
12H	11.2	11.5	11.7	12.0	12.4	10.7	11.1	11.2	11.5	12.0
12H 4H	9.9	10.4	10.3	10.8	11.2	9.6	10.0	10.0	10.4	10.8
6H	10.6	11.0	11.1	11.4	11.9	10.3	10.7	10.7	11.1	11.5
8H	11.0	11.3	11.5	11.8	12.2	10.6	10.9	11.1	11.4	11.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 0.9					+ 0.9 / - 0.5				
1.5H	+ 3.8 / - 0.9					+ 2.0 / - 0.5				
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117 Corrected 4540 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.3)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

### UTILIZATION FACTORS TABLE

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	94	88	85	94	88	85	93	88	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	102	97	93	100	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
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: 2018-06-01

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

4277.2 lm

%lum = 94.2%

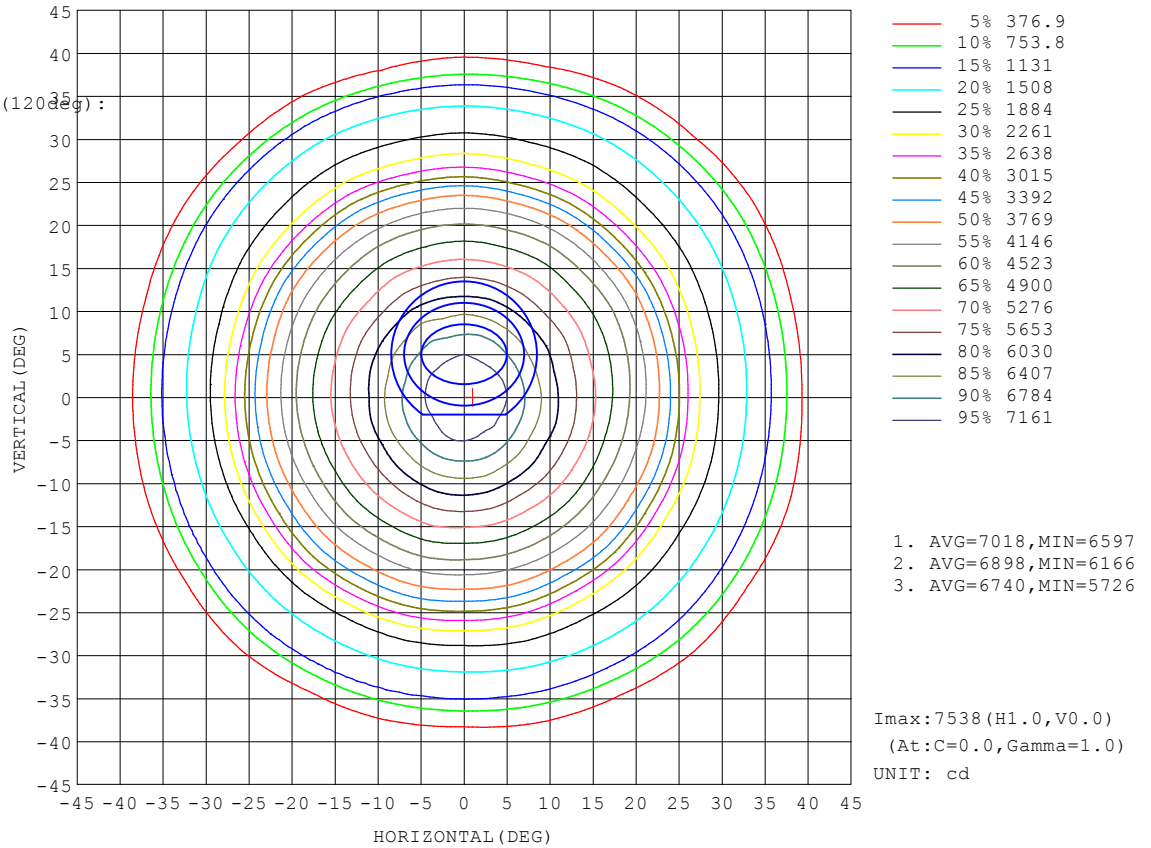
%lamp = 94.2%

Conical surface Flux(120deg):

4404.6 lm

%lum = 97.0%

%lamp = 97.0%

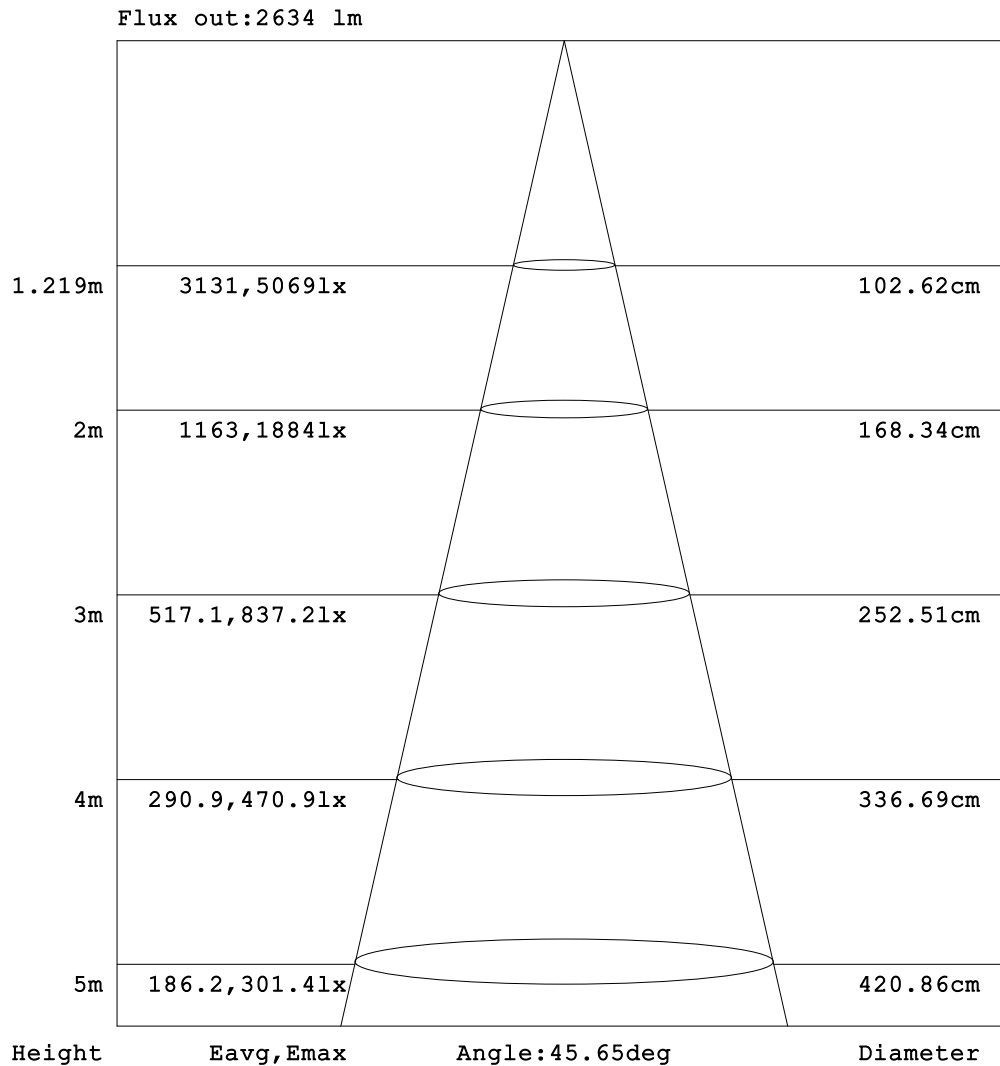


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

### AAI Figure

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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.

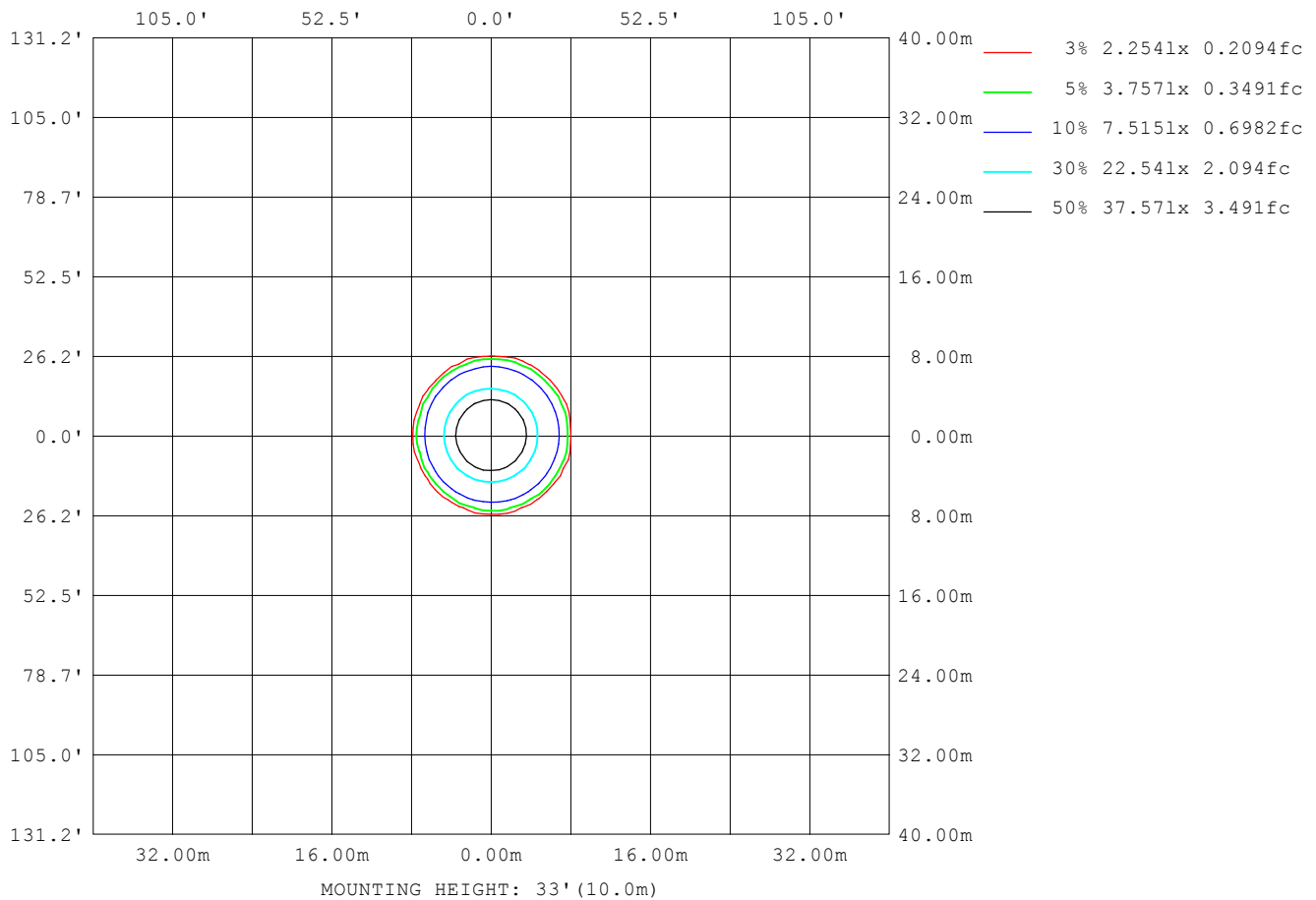
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:



## ISOLUX DIAGRAM

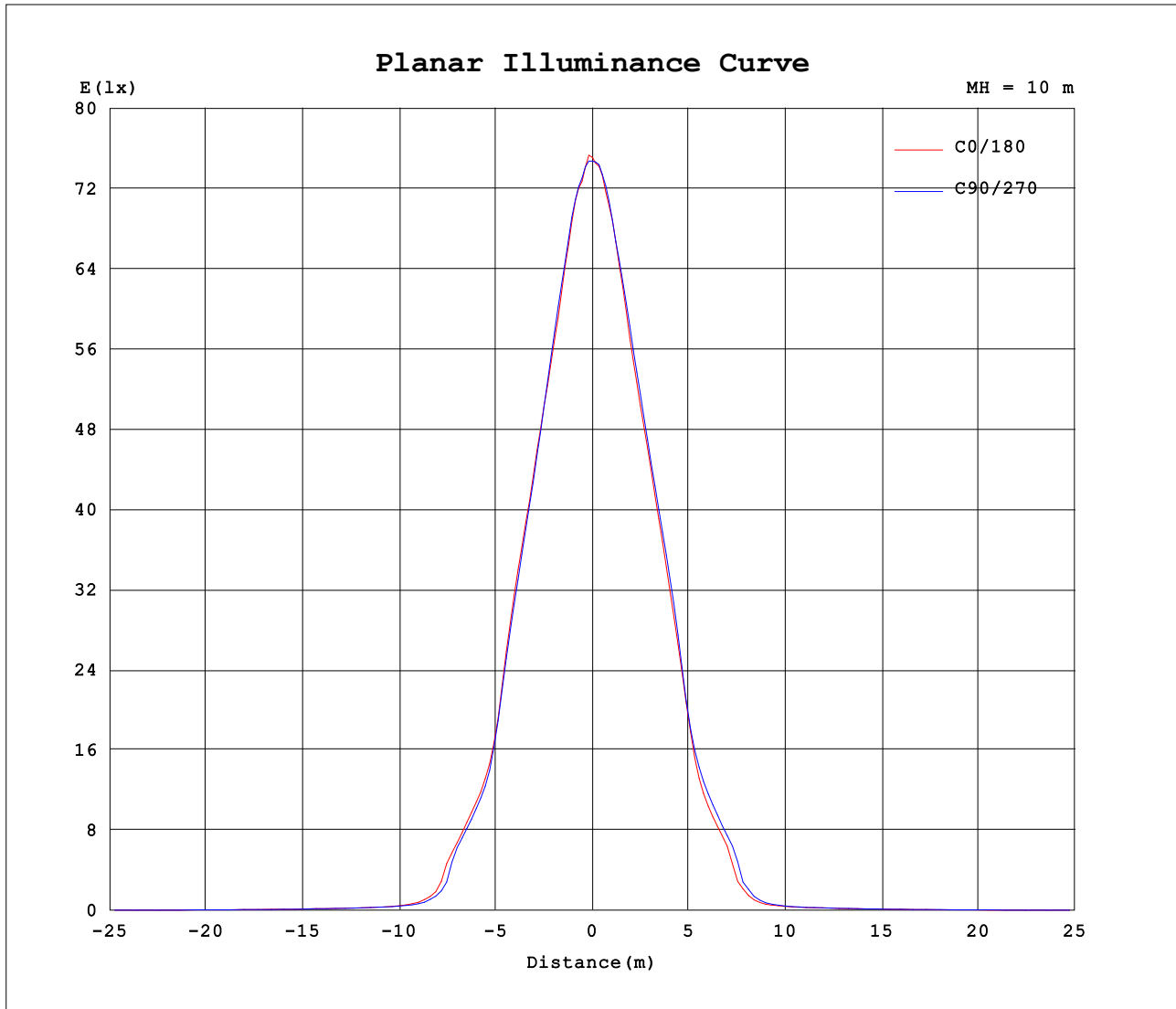
Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W ADR9.5WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

$\gamma$  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:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Aaron  
 Test Date: 2018-06-01

$\gamma$  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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	7515	7502	7503	7493	7486	7477	7476	7478	7477	7478	7475	7478	7515	7502	7503	7493	7486	7477	7476
5	7164	7144	7122	7143	7118	7148	7171	7178	7146	7101	7082	7102	7113	7107	7117	7100	7113	7129	7162
10	6190	6212	6197	6237	6240	6303	6303	6307	6283	6260	6252	6263	6258	6258	6321	6327	6397	6315	6345
15	5333	5313	5287	5295	5278	5302	5299	5351	5303	5302	5303	5323	5363	5369	5405	5405	5465	5447	5469
20	4372	4315	4295	4301	4286	4280	4285	4325	4315	4347	4340	4378	4429	4447	4495	4508	4547	4540	4549
25	3029	3017	2941	2980	2938	2989	2969	3043	3050	3115	3091	3149	3183	3203	3281	3262	3309	3236	3246
30	1828	1823	1803	1792	1767	1765	1734	1729	1719	1723	1740	1760	1798	1821	1898	1917	1975	1961	1984
35	1232	1214	1193	1184	1160	1161	1147	1144	1124	1127	1109	1138	1173	1206	1260	1292	1336	1343	1364
40	316	310	299	295	276	268	250	245	234	233	225	229	239	245	267	275	292	301	315
45	139	138	136	134	131	129	126	124	121	121	118	118	119	120	123	124	127	128	132
50	106	107	106	106	105	105	104	103	102	101	100	99.9	99.9	99.7	100	100	101	102	102
55	94.9	95.1	94.9	94.8	94.3	93.9	92.9	92.2	91.2	90.4	89.5	89.0	89.0	88.8	89.1	89.4	90.0	90.5	91.4
60	83.3	83.5	83.4	83.3	82.8	82.5	81.6	81.0	79.9	79.2	78.3	77.8	77.7	77.5	77.9	78.1	78.8	79.1	80.0
65	71.7	71.9	71.7	71.7	71.2	70.8	69.9	69.3	68.2	67.5	66.6	66.2	66.2	66.0	66.4	66.6	67.2	67.6	68.4
70	59.6	59.8	59.6	59.5	59.0	58.6	57.7	57.0	55.9	55.2	54.4	54.0	54.0	53.9	54.4	54.6	55.3	55.7	56.5
75	46.8	46.9	46.6	46.5	45.8	45.4	44.4	43.8	42.7	42.1	41.3	41.1	41.1	41.1	41.7	42.0	42.7	43.1	44.0
80	32.9	32.9	32.3	32.1	31.3	30.8	29.8	29.2	28.2	27.7	27.1	27.0	27.2	27.3	27.9	28.3	29.1	29.7	30.6
85	17.4	17.1	16.4	15.9	15.0	14.5	13.4	12.8	11.9	11.7	11.1	11.2	11.6	11.9	12.7	13.2	14.1	14.7	15.6
90	0.18	0.00	0.02	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	0.03	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	0.10	0.13	0.10	0.13	0.10	0.14	0.12	0.15	0.11	0.14	0.11	0.13	0.11	0.08	0.10	0.08	0.08	0.05	0.08
120	0.29	0.33	0.31	0.36	0.33	0.36	0.34	0.37	0.34	0.36	0.33	0.35	0.31	0.29	0.31	0.27	0.28	0.24	0.27
125	0.59	0.61	0.60	0.64	0.62	0.66	0.62	0.66	0.63	0.64	0.61	0.63	0.61	0.57	0.58	0.54	0.57	0.53	0.54
130	0.94	0.98	0.96	0.99	0.98	1.00	0.99	1.01	0.99	0.98	0.96	0.98	0.96	0.91	0.91	0.91	0.90	0.89	0.89
135	1.34	1.37	1.37	1.39	1.38	1.40	1.39	1.41	1.39	1.39	1.37	1.39	1.37	1.31	1.31	1.31	1.30	1.27	1.30
140	1.75	1.79	1.79	1.81	1.81	1.81	1.81	1.80	1.79	1.81	1.79	1.79	1.79	1.74	1.76	1.74	1.72	1.70	1.72
145	2.16	2.18	2.19	2.22	2.21	2.21	2.22	2.20	2.20	2.19	2.19	2.18	2.20	2.17	2.20	2.14	2.14	2.12	2.11
150	2.53	2.53	2.53	2.55	2.55	2.56	2.55	2.54	2.55	2.53	2.54	2.53	2.57	2.55	2.55	2.51	2.53	2.53	2.47
155	2.78	2.79	2.79	2.81	2.81	2.81	2.80	2.79	2.78	2.77	2.78	2.77	2.82	2.83	2.80	2.80	2.78	2.81	2.77
160	2.94	2.94	2.93	2.95	2.95	2.96	2.95	2.94	2.92	2.91	2.93	2.94	2.98	2.99	2.95	2.97	2.96	2.97	2.98
165	2.99	2.99	2.97	2.98	3.03	3.03	3.03	3.00	2.97	2.97	2.98	2.99	3.06	3.07	3.04	3.03	3.04	3.04	3.06
170	2.99	2.99	3.01	3.01	3.04	3.04	3.03	3.01	2.99	2.99	3.00	2.99	3.04	3.05	3.05	3.04	3.02	3.03	3.04
175	3.01	3.03	3.04	3.08	3.09	3.08	3.04	3.02	3.01	3.02	3.03	2.99	3.03	3.04	3.07	3.08	3.05	3.04	3.04
180	3.04	3.04	3.06	3.06	3.06	3.04	3.03	3.03	3.03	3.03	3.04	3.02	3.04	3.04	3.05	3.07	3.06	3.04	3.03

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.4V I:0.4926A P:59.03W PF:0.9951 Lamp Flux:4540.32x1 lm		
NAME: ADL 60W ADR9.5WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 60W 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	7478	7477	7478	7475	7478														
5	7120	7112	7127	7144	7163														
10	6331	6291	6254	6214	6175														
15	5461	5441	5385	5382	5319														
20	4533	4554	4502	4515	4451														
25	3177	3196	3132	3145	3066														
30	1952	1959	1912	1908	1860														
35	1354	1349	1314	1300	1263														
40	323	336	330	338	324														
45	134	137	138	140	140														
50	103	104	105	105	106														
55	92.0	92.9	93.4	94.2	94.5														
60	80.5	81.4	81.8	82.6	82.9														
65	69.0	69.8	70.2	70.9	71.2														
70	57.1	57.9	58.2	59.0	59.2														
75	44.5	45.3	45.7	46.4	46.6														
80	31.0	31.9	32.2	32.8	32.8														
85	16.1	16.9	17.1	17.7	17.5														
90	0.05	0.33	0.41	0.77	0.50														
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	0.05	0.08	0.04	0.06	0.04														
120	0.24	0.29	0.24	0.27	0.25														
125	0.52	0.56	0.52	0.54	0.52														
130	0.88	0.89	0.89	0.90	0.87														
135	1.28	1.27	1.29	1.30	1.29														
140	1.72	1.71	1.71	1.73	1.72														
145	2.14	2.14	2.13	2.14	2.14														
150	2.51	2.54	2.53	2.52	2.53														
155	2.79	2.81	2.83	2.78	2.81														
160	2.98	2.95	2.97	2.94	2.95														
165	3.07	3.04	3.01	3.00	3.01														
170	3.05	3.04	3.04	3.03	3.01														
175	3.06	3.06	3.06	3.04	3.04														
180	3.04	3.04	3.04	3.02	3.02														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-06-01

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: