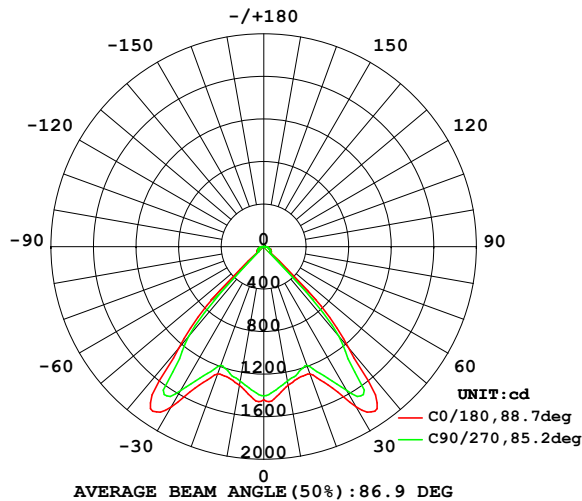


## LUMINAIRE PHOTOMETRIC TEST REPORT

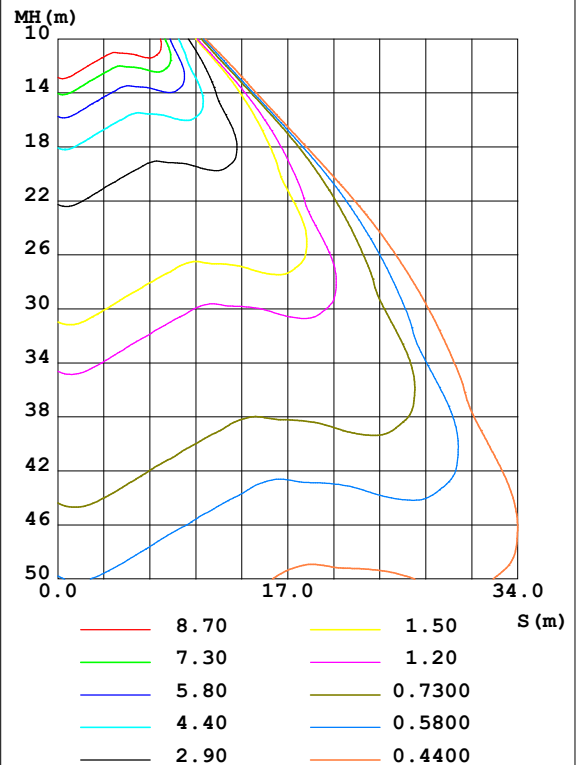
Test:U:120.4V I:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.96 lm/W			
MODEL		I <sub>max</sub> (cd)	1867	S/MH (C0/180)	1.32
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	2604.8	η UP,DN (C0-180)	0.0,50.0
NOMINAL FLUX(lm)	2604.75	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.0
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	99.9	CIBSE SHR MAX	0.90

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:2018-05-30

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	1324	1307	1284	1307	1324	1307	1284	1307	0- 10	129.7	129.7	4.98
20	1277	1189	1187	1189	1277	1189	1187	1189	10- 20	354.2	483.9	18.6
30	1738	1351	1560	1351	1738	1351	1560	1351	20- 30	588.7	1073	41.2
40	1249	1219	1097	1219	1249	1219	1097	1219	30- 40	935.3	2008	77.1
50	82.86	81.57	78.20	81.57	82.86	81.57	78.20	81.57	40- 50	390.6	2399	92.1
60	71.08	69.59	66.11	69.59	71.08	69.59	66.11	69.59	50- 60	67.45	2466	94.7
70	57.90	56.12	52.24	56.12	57.90	56.12	52.24	56.12	60- 70	62.28	2528	97.1
80	39.72	37.61	32.93	37.61	39.72	37.61	32.93	37.61	70- 80	49.85	2578	99
90	5.611	3.075	0.0102	3.075	5.611	3.075	0.0102	3.075	80- 90	24.07	2602	99.9
100	0	0	0	0	0	0	0	0	90-100	0.1883	2602	99.9
110	0	0	0	0	0	0	0	0	100-110	0	2602	99.9
120	0.1383	0.2289	0.2213	0.2289	0.1383	0.2289	0.2213	0.2289	110-120	0.0744	2602	99.9
130	0.4362	0.5197	0.5261	0.5197	0.4362	0.5197	0.5261	0.5197	120-130	0.3080	2603	99.9
140	0.6997	0.8038	0.7758	0.8038	0.6997	0.8038	0.7758	0.8038	130-140	0.4898	2603	99.9
150	0.9280	0.9838	0.9838	0.9838	0.9280	0.9838	0.9838	0.9838	140-150	0.5475	2604	100
160	1.046	1.129	1.129	1.129	1.046	1.129	1.129	1.129	150-160	0.4729	2604	100
170	1.441	1.518	1.531	1.518	1.441	1.518	1.531	1.518	160-170	0.3628	2605	100
180	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	170-180	0.1541	2605	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

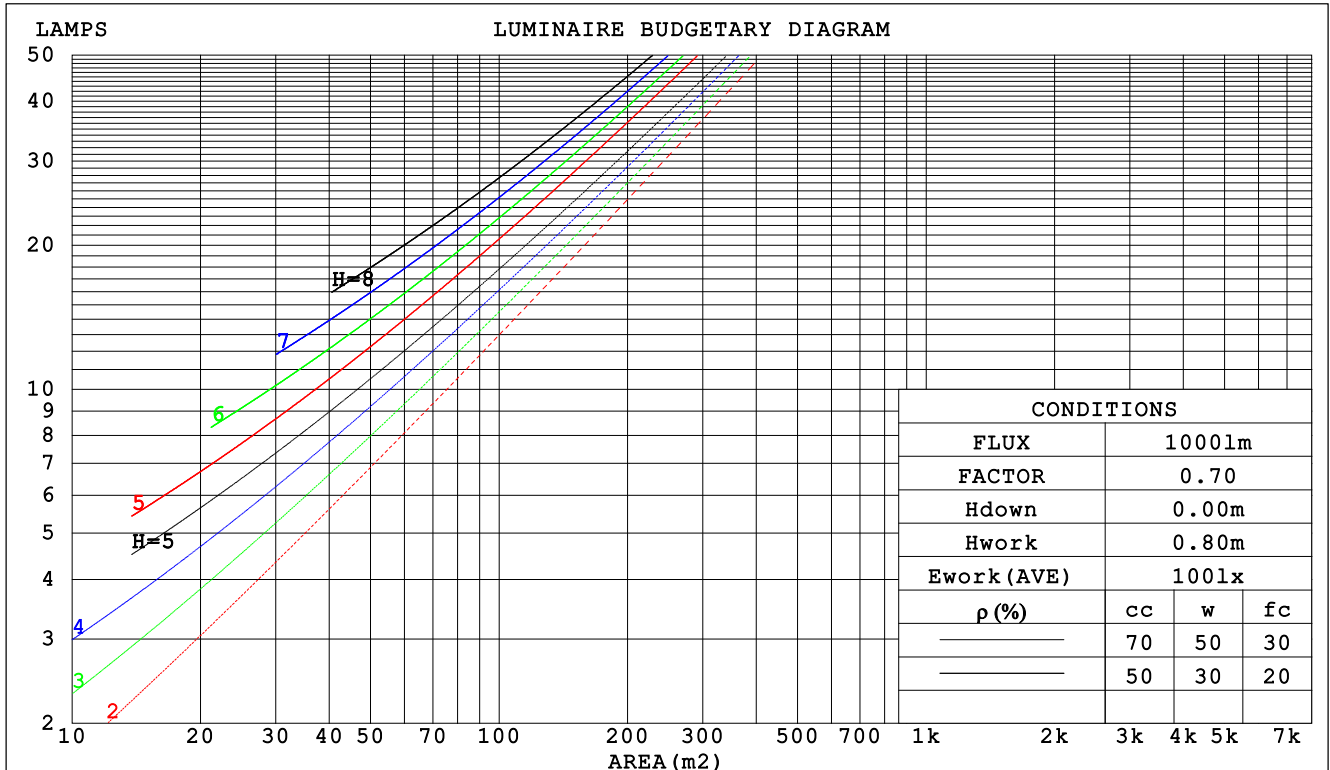
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

$\gamma$  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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.78	.85	.80	.76	.83	.78	.75	.80	.77	.74	.72
4.0	.82	.75	.69	.80	.74	.69	.78	.73	.68	.76	.71	.67	.74	.70	.66	.65
5.0	.75	.67	.62	.74	.67	.62	.72	.66	.61	.70	.65	.61	.68	.64	.60	.58
6.0	.69	.61	.56	.68	.61	.56	.66	.60	.55	.64	.59	.55	.63	.58	.54	.53
7.0	.63	.56	.51	.62	.55	.50	.61	.55	.50	.60	.54	.50	.58	.53	.49	.48
8.0	.58	.51	.46	.58	.51	.46	.56	.50	.46	.55	.49	.45	.54	.49	.45	.43
9.0	.54	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.41	.50	.45	.41	.40
10.0	.50	.43	.38	.49	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.36



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

$\gamma$  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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm					
NAME: ADL 30W ADR9.5WH 80°			TYPE:LED		WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	.228	.129	.041	.221	.126	.040	.208	.119	.038	.196	.113	.036	.185	.107	.035		
2.0	.217	.119	.036	.211	.116	.036	.200	.111	.035	.190	.106	.033	.180	.102	.032		
3.0	.205	.109	.033	.200	.107	.032	.191	.103	.031	.182	.100	.031	.173	.096	.030		
4.0	.194	.101	.030	.190	.099	.029	.181	.096	.029	.174	.093	.028	.166	.090	.028		
5.0	.184	.094	.027	.180	.093	.027	.173	.090	.026	.166	.087	.026	.159	.085	.026		
6.0	.175	.088	.025	.171	.086	.025	.165	.084	.025	.158	.082	.024	.153	.080	.024		
7.0	.166	.082	.023	.163	.081	.023	.157	.079	.023	.151	.078	.023	.146	.076	.022		
8.0	.158	.077	.022	.155	.076	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021		
9.0	.150	.073	.020	.148	.072	.020	.143	.071	.020	.139	.069	.020	.134	.068	.020		
10.0	.143	.069	.019	.141	.068	.019	.137	.067	.019	.133	.066	.019	.129	.065	.019		

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	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.175	.158	.142	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.133	.108	.140	.115	.093	.096	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.153	.115	.084	.131	.099	.073	.090	.069	.051	.052	.040	.030	.017	.013	.010	
4.0	.144	.101	.067	.124	.087	.058	.085	.061	.041	.049	.035	.024	.016	.012	.008	
5.0	.137	.090	.055	.117	.077	.048	.081	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.130	.081	.046	.112	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
7.0	.124	.074	.038	.106	.064	.034	.074	.045	.024	.043	.026	.014	.014	.009	.005	
8.0	.118	.068	.033	.102	.059	.029	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.063	.029	.097	.055	.025	.068	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.108	.059	.025	.093	.051	.022	.065	.036	.016	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm										
NAME: ADL 30W ADR9.5WH 80°					TYPE:LED			WEIGHT:		
SPEC.:ADL 30W ADR9.5WH 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	13.9	15.1	14.2	15.3	15.5	13.2	14.4	13.5	14.6	14.8
3H	14.0	15.1	14.2	15.3	15.5	13.3	14.4	13.6	14.6	14.8
4H	14.1	15.1	14.4	15.3	15.6	13.4	14.4	13.7	14.6	14.9
6H	14.2	15.2	14.5	15.4	15.7	13.5	14.5	13.8	14.7	15.0
8H	14.3	15.3	14.6	15.5	15.8	13.6	14.5	13.9	14.8	15.1
12H	14.4	15.3	14.8	15.6	15.9	13.6	14.5	14.0	14.8	15.1
4H 2H	13.7	14.8	14.0	15.0	15.2	13.0	14.1	13.3	14.3	14.6
3H	13.9	14.8	14.2	15.1	15.3	13.2	14.1	13.6	14.4	14.7
4H	14.1	14.9	14.4	15.2	15.5	13.4	14.2	13.8	14.5	14.9
6H	14.4	15.1	14.8	15.4	15.8	13.7	14.4	14.1	14.8	15.1
8H	14.6	15.2	15.0	15.6	16.0	13.9	14.5	14.3	14.9	15.3
12H	14.8	15.4	15.2	15.8	16.2	14.0	14.6	14.4	15.0	15.4
8H 4H	14.1	14.8	14.5	15.1	15.5	13.5	14.1	13.9	14.5	14.9
6H	14.6	15.1	15.0	15.5	15.9	13.9	14.5	14.4	14.9	15.3
8H	14.9	15.3	15.3	15.8	16.2	14.2	14.7	14.6	15.1	15.5
12H	15.2	15.6	15.7	16.0	16.5	14.4	14.9	14.9	15.3	15.8
12H 4H	14.1	14.7	14.5	15.1	15.5	13.5	14.1	13.9	14.5	14.9
6H	14.6	15.1	15.0	15.5	15.9	14.0	14.5	14.4	14.9	15.3
8H	14.9	15.3	15.4	15.8	16.3	14.3	14.7	14.8	15.2	15.6
Variations with the observer position at spacings:										
S = 1.0H	+ 2.2 / - 3.2					+ 2.3 / - 3.2				
1.5H	+ 4.3 / - 3.5					+ 3.6 / - 3.2				
2.0H	+ 4.2 / - 0.8					+ 0.5 / - 0.3				

CIE Pub.117 Corrected 2605 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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) $k(RI) \times RCR = 5$									
$k = 0.60$	77	69	65	77	69	64	76	69	64	60
0.80	86	78	73	85	78	73	84	77	73	68
1.00	92	85	80	91	84	80	89	85	79	74
1.25	97	90	86	96	90	85	94	89	85	80
1.50	101	94	90	99	94	89	97	92	88	83
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	104	101	107	103	100	103	100	98	91
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	106	104	103	94
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:2018-05-30

$\gamma$  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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2340.5 lm

%lum = 89.9%

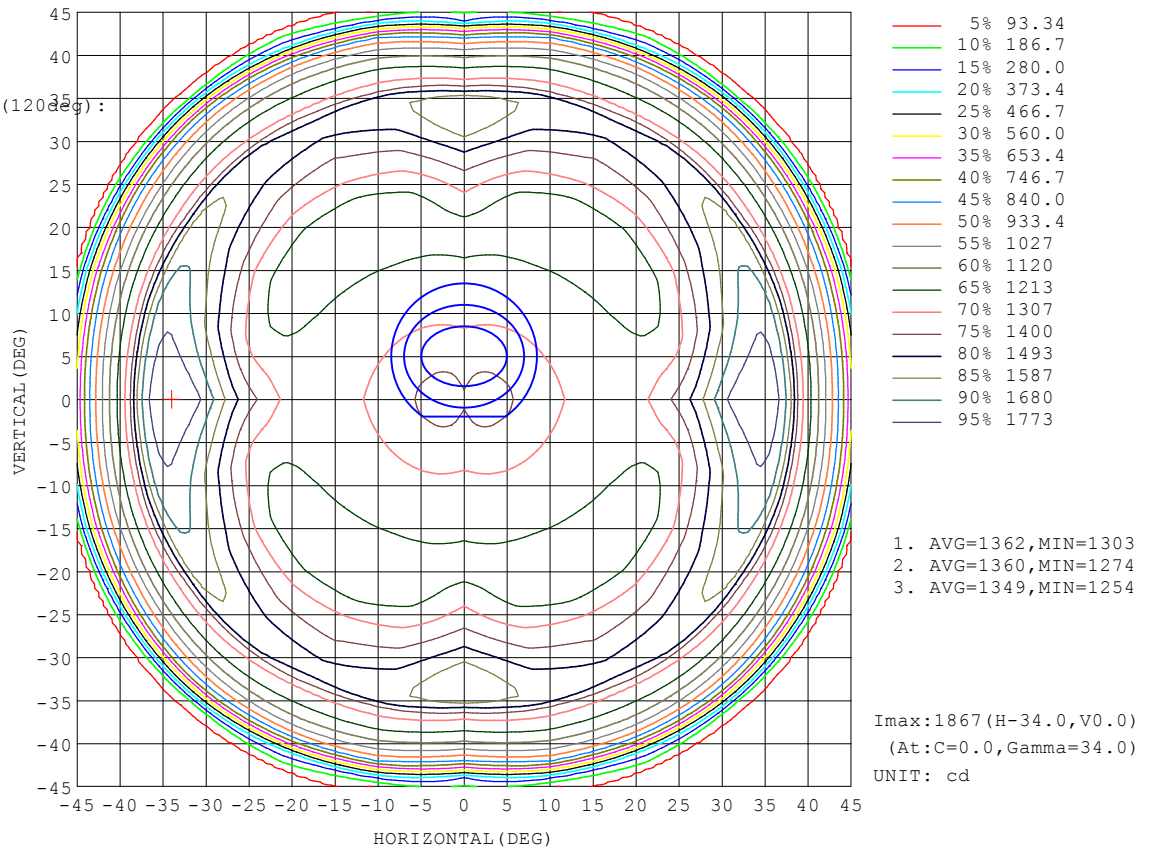
%lamp = 89.9%

Conical surface Flux(120deg):

2466 lm

%lum = 94.7%

%lamp = 94.7%

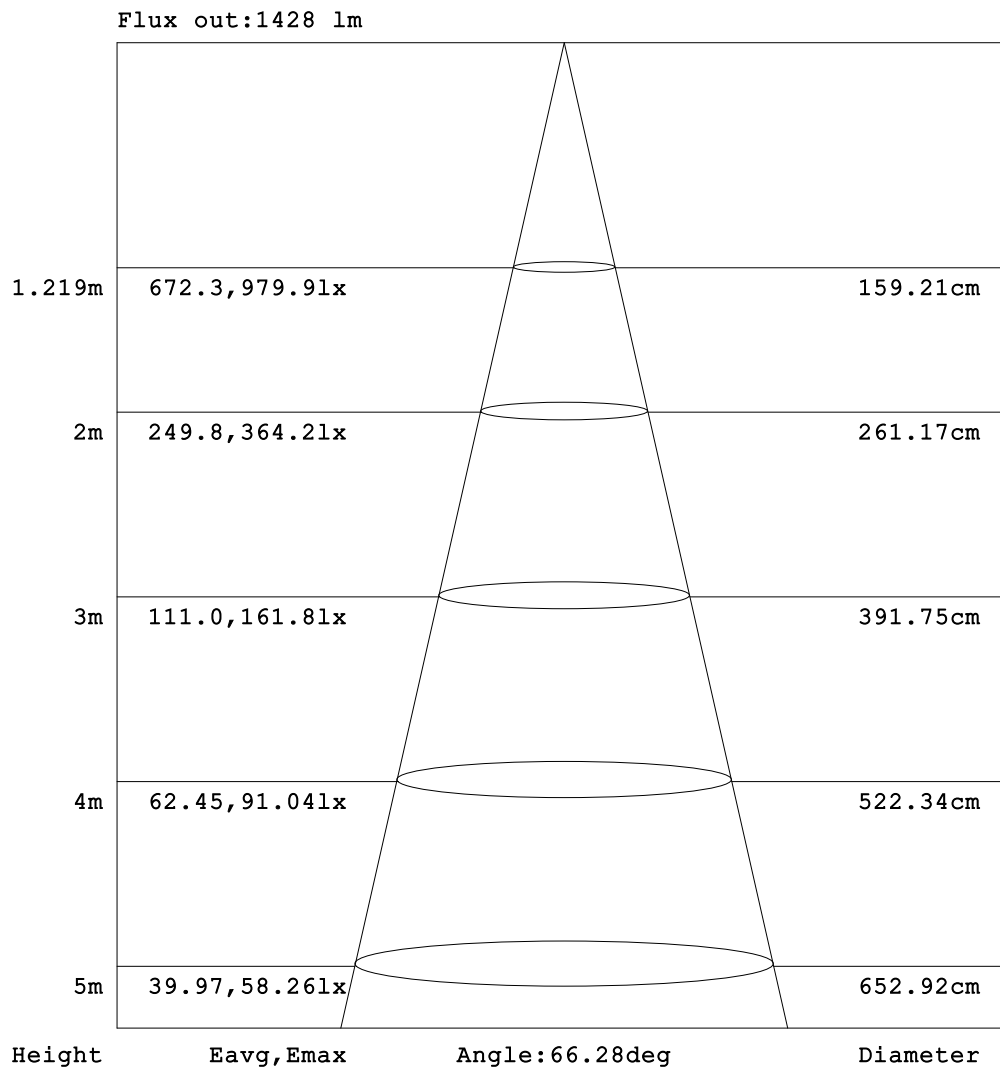


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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.

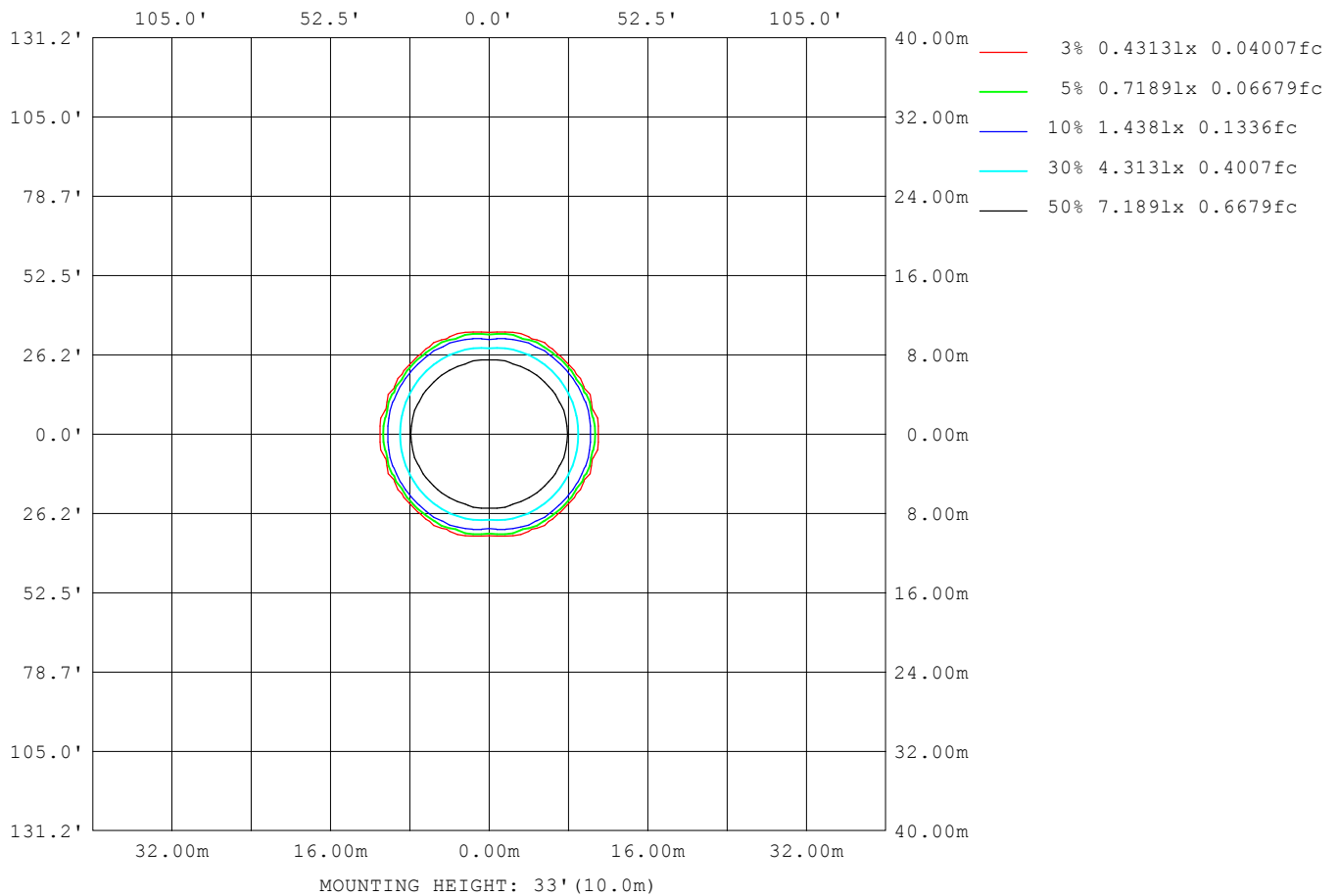
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

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

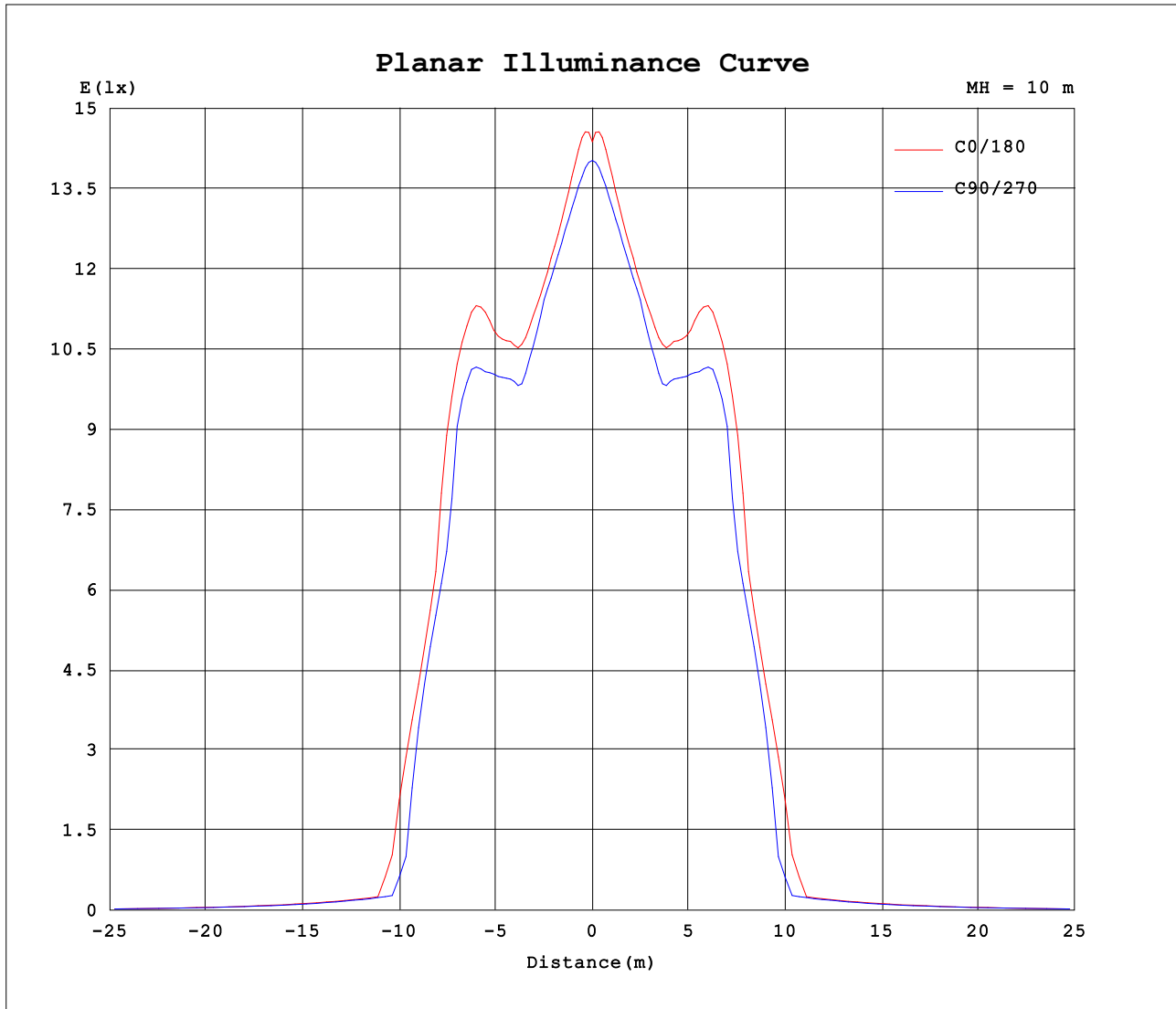
Test:U:120.4V I:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

$\gamma$  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: 2018-05-30

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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	1438	1433	1434	1432	1426	1404	1403	1404	1426	1432	1434	1433	1438	1433	1434	1432	1426	1404	1403
5	1414	1410	1398	1389	1378	1364	1350	1364	1378	1389	1398	1410	1414	1410	1398	1389	1378	1364	1350
10	1324	1319	1313	1307	1301	1293	1284	1293	1301	1307	1313	1319	1324	1319	1313	1307	1301	1293	1284
15	1278	1273	1264	1257	1250	1244	1233	1244	1250	1257	1264	1273	1278	1273	1264	1257	1250	1244	1233
20	1277	1233	1206	1189	1176	1171	1187	1171	1176	1189	1206	1233	1277	1233	1206	1189	1176	1171	1187
25	1436	1254	1180	1156	1171	1218	1340	1218	1171	1156	1180	1254	1436	1254	1180	1156	1171	1218	1340
30	1738	1511	1405	1351	1354	1408	1560	1408	1354	1351	1405	1511	1738	1511	1405	1351	1354	1408	1560
35	1860	1750	1621	1537	1517	1566	1648	1566	1517	1537	1621	1750	1860	1750	1621	1537	1517	1566	1648
40	1249	1253	1231	1219	1192	1174	1097	1174	1192	1219	1231	1253	1249	1253	1231	1219	1192	1174	1097
45	586	606	527	460	359	258	177	258	359	460	527	606	586	606	527	460	359	258	177
50	82.9	82.8	82.2	81.6	80.7	79.8	78.2	79.8	80.7	81.6	82.2	82.8	82.9	82.8	82.2	81.6	80.7	79.8	78.2
55	77.0	76.9	76.3	75.6	74.7	73.8	72.2	73.8	74.7	75.6	76.3	76.9	77.0	76.9	76.3	75.6	74.7	73.8	72.2
60	71.1	70.9	70.3	69.6	68.6	67.7	66.1	67.7	68.6	69.6	70.3	70.9	71.1	70.9	70.3	69.6	68.6	67.7	66.1
65	64.9	64.7	64.0	63.3	62.3	61.3	59.6	61.3	62.3	63.3	64.0	64.7	64.9	64.7	64.0	63.3	62.3	61.3	59.6
70	57.9	57.7	57.0	56.1	55.1	54.1	52.2	54.1	55.1	56.1	57.0	57.7	57.9	57.7	57.0	56.1	55.1	54.1	52.2
75	49.8	49.5	48.7	47.8	46.7	45.7	43.6	45.7	46.7	47.8	48.7	49.5	49.8	49.5	48.7	47.8	46.7	45.7	43.6
80	39.7	39.4	38.5	37.6	36.5	35.4	32.9	35.4	36.5	37.6	38.5	39.4	39.7	39.4	38.5	37.6	36.5	35.4	32.9
85	25.7	25.7	24.7	23.7	22.5	21.3	17.8	21.3	22.5	23.7	24.7	25.7	25.7	25.7	24.7	23.7	22.5	21.3	17.8
90	5.61	5.54	4.23	3.08	1.45	0.33	0.01	0.33	1.45	3.08	4.23	5.54	5.61	5.54	4.23	3.08	1.45	0.33	0.01
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	0.02	0.06	0.04	0.08	0.05	0.10	0.11	0.10	0.05	0.08	0.04	0.06	0.02	0.06	0.04	0.08	0.05	0.10	0.11
120	0.14	0.19	0.17	0.23	0.20	0.24	0.22	0.24	0.20	0.23	0.17	0.19	0.14	0.19	0.17	0.23	0.20	0.24	0.22
125	0.30	0.35	0.31	0.37	0.34	0.39	0.35	0.39	0.34	0.37	0.31	0.35	0.30	0.35	0.31	0.37	0.34	0.39	0.35
130	0.44	0.49	0.46	0.52	0.48	0.53	0.53	0.53	0.48	0.52	0.46	0.49	0.44	0.49	0.46	0.52	0.48	0.53	0.53
135	0.58	0.63	0.61	0.65	0.64	0.67	0.65	0.67	0.64	0.65	0.61	0.63	0.58	0.63	0.61	0.65	0.64	0.67	0.65
140	0.70	0.76	0.76	0.80	0.76	0.80	0.78	0.80	0.76	0.80	0.76	0.76	0.70	0.76	0.76	0.80	0.76	0.80	0.78
145	0.81	0.87	0.87	0.90	0.87	0.91	0.90	0.91	0.87	0.90	0.87	0.87	0.81	0.87	0.87	0.90	0.87	0.91	0.90
150	0.93	0.96	0.95	0.98	0.96	1.02	0.98	1.02	0.96	0.98	0.95	0.96	0.93	0.96	0.95	0.98	0.96	1.02	0.98
155	0.98	1.02	1.00	1.02	1.00	1.05	1.05	1.05	1.00	1.02	1.00	1.02	0.98	1.02	1.00	1.02	1.00	1.05	1.05
160	1.05	1.11	1.08	1.13	1.10	1.15	1.13	1.15	1.10	1.13	1.08	1.11	1.05	1.11	1.08	1.13	1.10	1.15	1.13
165	1.22	1.29	1.25	1.31	1.30	1.36	1.33	1.36	1.30	1.31	1.25	1.29	1.22	1.29	1.25	1.31	1.30	1.36	1.33
170	1.44	1.50	1.45	1.52	1.52	1.54	1.53	1.54	1.52	1.52	1.45	1.50	1.44	1.50	1.45	1.52	1.52	1.54	1.53
175	1.63	1.66	1.64	1.69	1.67	1.70	1.68	1.70	1.67	1.69	1.64	1.66	1.63	1.66	1.64	1.69	1.67	1.70	1.68
180	1.75	1.75	1.77	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.77	1.75	1.75	1.75	1.77	1.75	1.75	1.75	1.75

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

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:0.2720A P:32.58W PF:0.9945 Lamp Flux:2604.75x1 lm		
NAME: ADL 30W ADR9.5WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR9.5WH 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	1404	1426	1432	1434	1433														
5	1364	1378	1389	1398	1410														
10	1293	1301	1307	1313	1319														
15	1244	1250	1257	1264	1273														
20	1171	1176	1189	1206	1233														
25	1218	1171	1156	1180	1254														
30	1408	1354	1351	1405	1511														
35	1566	1517	1537	1621	1750														
40	1174	1192	1219	1231	1253														
45	258	359	460	527	606														
50	79.8	80.7	81.6	82.2	82.8														
55	73.8	74.7	75.6	76.3	76.9														
60	67.7	68.6	69.6	70.3	70.9														
65	61.3	62.3	63.3	64.0	64.7														
70	54.1	55.1	56.1	57.0	57.7														
75	45.7	46.7	47.8	48.7	49.5														
80	35.4	36.5	37.6	38.5	39.4														
85	21.3	22.5	23.7	24.7	25.7														
90	0.33	1.45	3.08	4.23	5.54														
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	0.10	0.05	0.08	0.04	0.06														
120	0.24	0.20	0.23	0.17	0.19														
125	0.39	0.34	0.37	0.31	0.35														
130	0.53	0.48	0.52	0.46	0.49														
135	0.67	0.64	0.65	0.61	0.63														
140	0.80	0.76	0.80	0.76	0.76														
145	0.91	0.87	0.90	0.87	0.87														
150	1.02	0.96	0.98	0.95	0.96														
155	1.05	1.00	1.02	1.00	1.02														
160	1.15	1.10	1.13	1.08	1.11														
165	1.36	1.30	1.31	1.25	1.29														
170	1.54	1.52	1.52	1.45	1.50														
175	1.70	1.67	1.69	1.64	1.66														
180	1.75	1.75	1.75	1.77	1.75														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Aaron  
Test Date:2018-05-30

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: