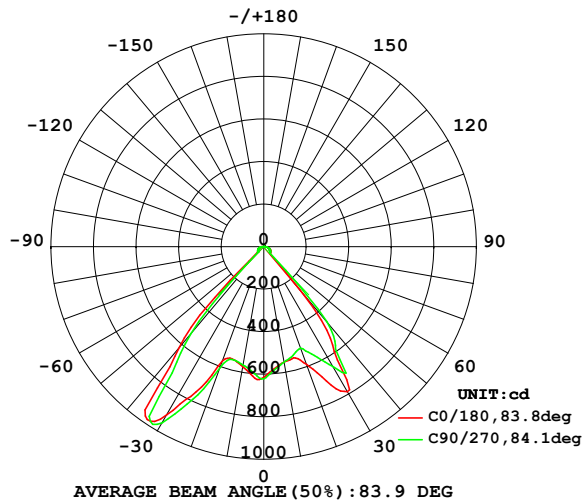


LUMINAIRE PHOTOMETRIC TEST REPORT

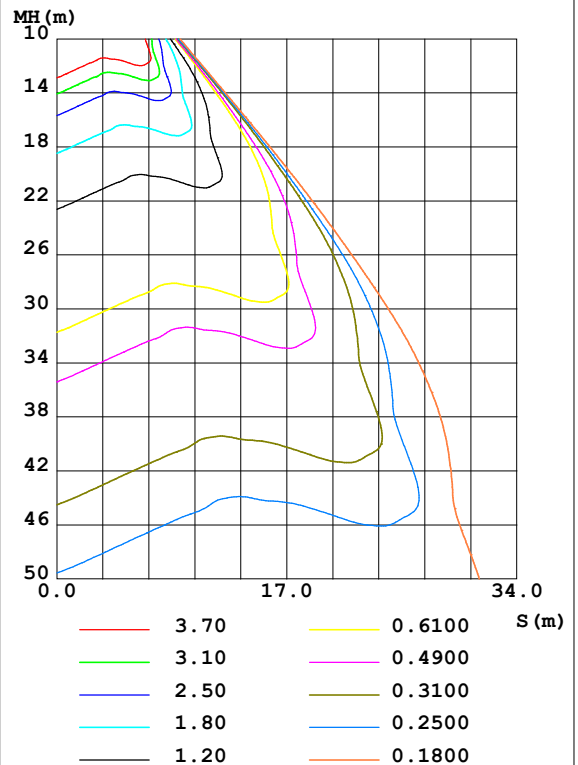
Test:U:120.5V I:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.82 lm/W			
MODEL		I _{max} (cd)	998.4	S/MH (C0/180)	1.34
NOMINAL POWER(W)	12.5	LOR(%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE(V)	120-277	TOTAL FLUX (lm)	1190.2	η UP,DN (C0-180)	0.0,44.5
NOMINAL FLUX(lm)	1190.21	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,55.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.75

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	552.6	555.4	551.2	552.1	572.7	564.5	565.6	568.8	0- 10	55.42	55.42	4.66
20	589.7	503.7	508.5	654.0	574.5	627.8	608.7	579.8	10- 20	157.3	212.7	17.9
30	786.7	595.9	652.7	883.8	913.2	969.2	955.9	914.5	20- 30	331.9	544.6	45.8
40	268.0	474.8	461.3	348.2	615.8	531.7	532.0	513.3	30- 40	441.1	985.8	82.8
50	38.11	38.82	37.87	36.63	38.59	37.79	38.93	40.26	40- 50	111.1	1097	92.2
60	32.33	32.94	32.00	30.88	32.73	32.11	33.27	34.51	50- 60	31.75	1129	94.8
70	25.19	26.23	25.36	24.23	26.65	25.79	26.95	28.22	60- 70	29.22	1158	97.3
80	13.51	16.32	15.55	13.97	18.28	16.39	17.35	18.72	70- 80	22.88	1181	99.2
90	0	0	0	0	2.974	0.0029	0	1.353	80- 90	9.007	1190	100
100	0	0	0	0	0	0	0	0	90-100	0.0380	1190	100
110	0	0	0	0	0	0	0	0	100-110	0	1190	100
120	0	0	0	0	0	0	0	0	110-120	0	1190	100
130	0.0893	0.0769	0.0571	0.0831	0.0322	0	0.0383	0.0128	120-130	0.0109	1190	100
140	0.1850	0.2042	0.1658	0.1852	0.1532	0.1021	0.1469	0.1339	130-140	0.0825	1190	100
150	0.2425	0.2745	0.2551	0.2490	0.2362	0.2041	0.2425	0.2169	140-150	0.1260	1190	100
160	0.2999	0.3322	0.3126	0.3320	0.3064	0.2935	0.3383	0.2745	150-160	0.1248	1190	100
170	0.5042	0.5108	0.4848	0.4982	0.4595	0.4595	0.5106	0.4466	160-170	0.1097	1190	100
180	0.5680	0.5680	0.5553	0.5616	0.5489	0.5553	0.5616	0.5489	170-180	0.0502	1190	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

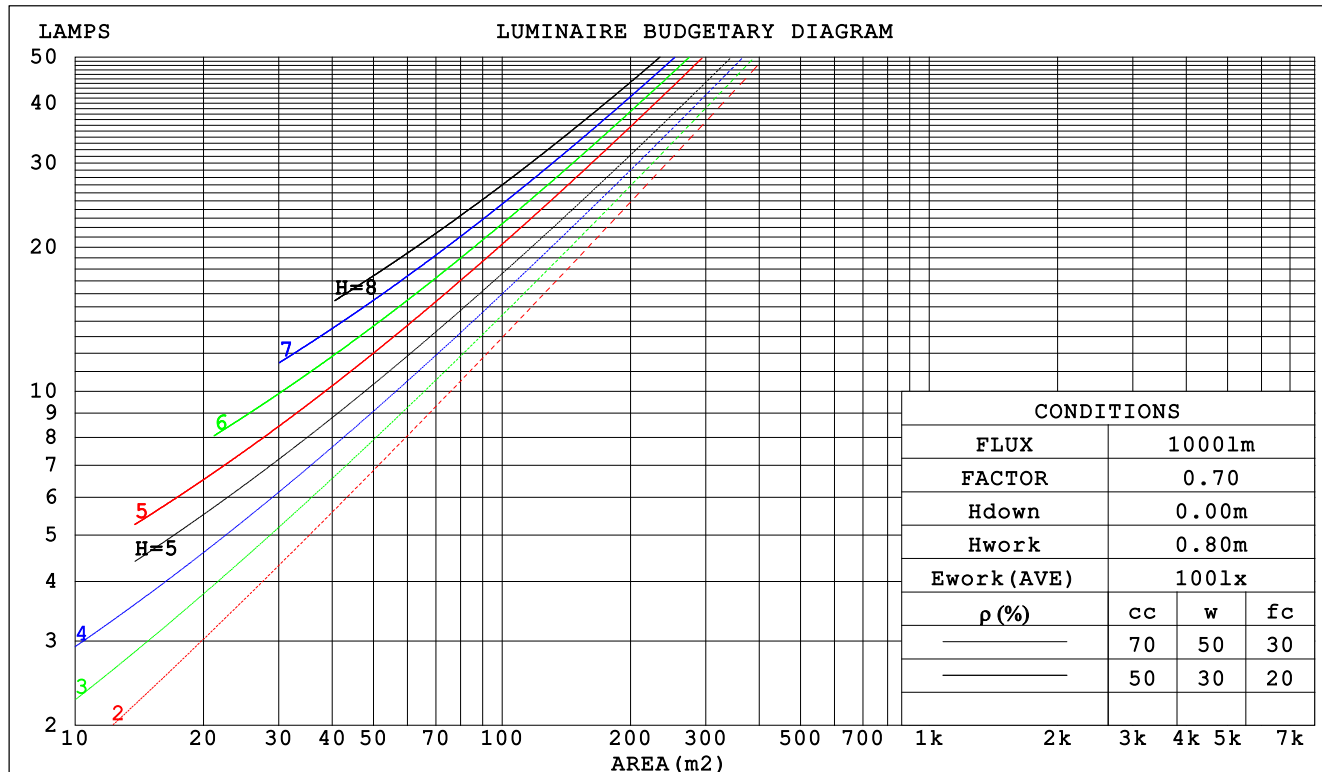
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 80°	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	1.08	1.05	1.03	1.06	1.03	1.01	1.02	.90	.98	.98	.96	.95	.95	.93	.92	.90
2.0	.99	.94	.90	.97	.92	.89	.94	.90	.87	.91	.87	.85	.88	.85	.83	.81
3.0	.90	.84	.79	.89	.83	.78	.86	.81	.77	.83	.79	.76	.81	.78	.75	.73
4.0	.82	.76	.71	.81	.75	.70	.79	.74	.69	.77	.72	.68	.75	.71	.68	.66
5.0	.76	.69	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.60
6.0	.70	.62	.57	.69	.62	.57	.67	.61	.57	.66	.60	.56	.64	.59	.56	.54
7.0	.64	.57	.52	.63	.57	.52	.62	.56	.51	.61	.55	.51	.60	.55	.51	.49
8.0	.59	.52	.47	.59	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.43	.41
10.0	.51	.44	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.38



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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm					
NAME: ADL 12.5W ADR8WH 80°			TYPE:LED		WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	.223	.127	.040	.216	.123	.039	.203	.116	.037	.191	.110	.035	.180	.104	.034	
2.0	.212	.116	.036	.206	.114	.035	.195	.109	.034	.185	.104	.032	.176	.099	.031	
3.0	.201	.107	.032	.196	.105	.032	.186	.101	.031	.177	.097	.030	.169	.094	.029	
4.0	.190	.099	.029	.186	.097	.029	.177	.094	.028	.170	.091	.027	.162	.088	.027	
5.0	.180	.092	.027	.176	.091	.026	.169	.088	.026	.162	.086	.025	.156	.083	.025	
6.0	.171	.086	.025	.168	.085	.024	.161	.083	.024	.155	.081	.024	.149	.079	.023	
7.0	.163	.080	.023	.160	.080	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	.137	.071	.021	
9.0	.148	.072	.020	.145	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019	
10.0	.141	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.018	

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	.175	.157	.142	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.133	.108	.139	.114	.093	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.152	.114	.084	.130	.099	.073	.089	.068	.051	.052	.040	.030	.017	.013	.010	
4.0	.143	.100	.067	.122	.086	.059	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.116	.077	.048	.080	.054	.034	.046	.032	.020	.015	.010	.007	
6.0	.128	.080	.046	.110	.069	.040	.076	.049	.028	.044	.029	.017	.014	.009	.006	
7.0	.122	.073	.038	.105	.063	.034	.073	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.033	.100	.058	.029	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.112	.062	.029	.096	.054	.025	.067	.038	.018	.039	.022	.011	.013	.007	.004	
10.0	.107	.058	.025	.092	.050	.022	.064	.035	.016	.037	.021	.009	.012	.007	.003	

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

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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm										
NAME: ADL 12.5W ADR8WH 80°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR8WH 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	7.9	9.1	8.1	9.3	9.4	8.8	10.0	9.1	10.2	10.4
3H	8.2	9.3	8.5	9.5	9.7	9.1	10.1	9.3	10.4	10.6
4H	8.5	9.5	8.8	9.7	10.0	9.3	10.3	9.6	10.5	10.8
6H	8.8	9.7	9.1	10.0	10.2	9.6	10.5	9.9	10.8	11.0
8H	8.9	9.8	9.2	10.0	10.3	9.7	10.6	10.0	10.9	11.1
12H	8.9	9.8	9.2	10.0	10.3	9.8	10.7	10.1	10.9	11.2
4H 2H	7.8	8.8	8.1	9.1	9.3	8.7	9.7	9.0	10.0	10.2
3H	8.4	9.3	8.7	9.6	9.9	9.1	10.0	9.5	10.3	10.6
4H	8.9	9.6	9.2	10.0	10.3	9.5	10.3	9.9	10.6	10.9
6H	9.3	10.0	9.7	10.3	10.7	10.0	10.7	10.4	11.0	11.4
8H	9.5	10.1	9.9	10.5	10.8	10.2	10.9	10.6	11.2	11.6
12H	9.5	10.1	9.9	10.5	10.9	10.4	11.0	10.8	11.4	11.7
8H 4H	9.0	9.7	9.4	10.1	10.4	9.7	10.3	10.1	10.7	11.0
6H	9.7	10.2	10.1	10.6	11.0	10.3	10.8	10.7	11.2	11.6
8H	10.0	10.4	10.4	10.8	11.3	10.6	11.1	11.1	11.5	12.0
12H	10.1	10.5	10.6	10.9	11.4	10.9	11.3	11.4	11.8	12.2
12H 4H	9.1	9.7	9.5	10.0	10.4	9.7	10.3	10.1	10.6	11.0
6H	9.8	10.2	10.2	10.7	11.1	10.4	10.8	10.8	11.2	11.7
8H	10.1	10.5	10.6	10.9	11.4	10.7	11.1	11.2	11.6	12.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.2					+ 1.7 / - 2.4				
1.5H	+ 3.5 / - 2.2					+ 3.9 / - 2.5				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1190 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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	69	80	73	69	80	73	69	65
0.80	89	82	78	88	82	77	87	81	77	73
1.00	94	88	83	93	87	83	92	87	82	78
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	98	94	91	86
2.00	106	101	97	104	99	96	101	97	94	89
2.50	108	103	99	106	102	99	103	99	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	104	106	104	102	94
5.00	114	111	108	111	109	107	107	105	104	96
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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1079.1 lm

%lum = 90.7%

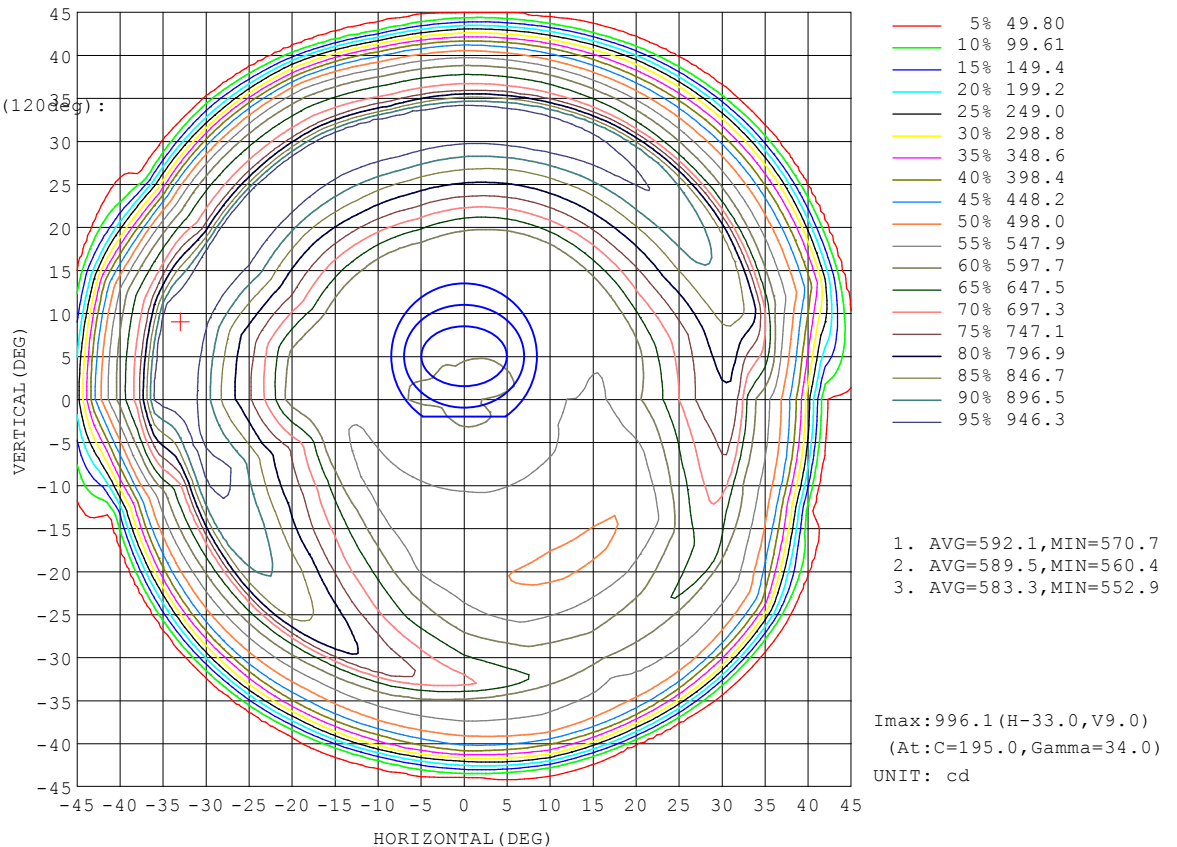
%lamp = 90.7%

Conical surface Flux(120deg):

1128.6 lm

%lum = 94.8%

%lamp = 94.8%

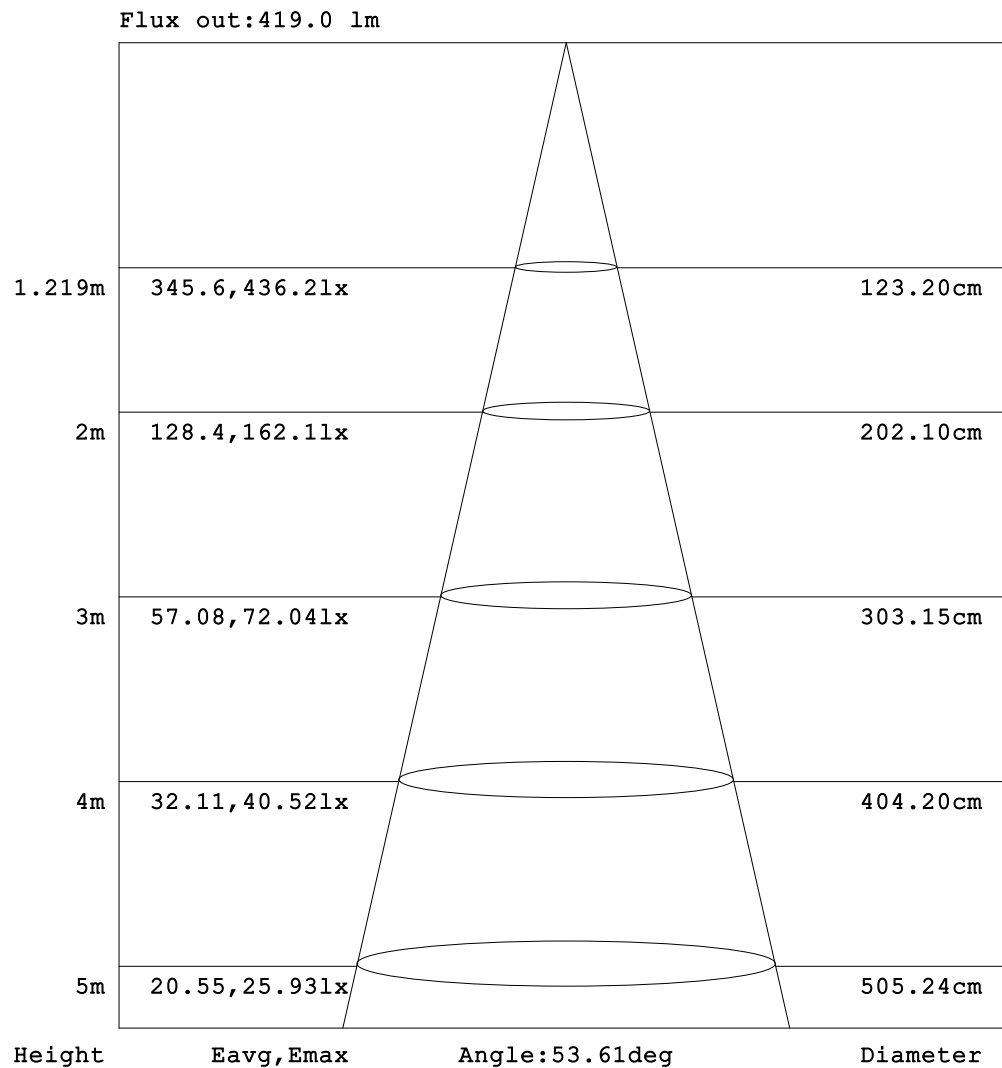


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



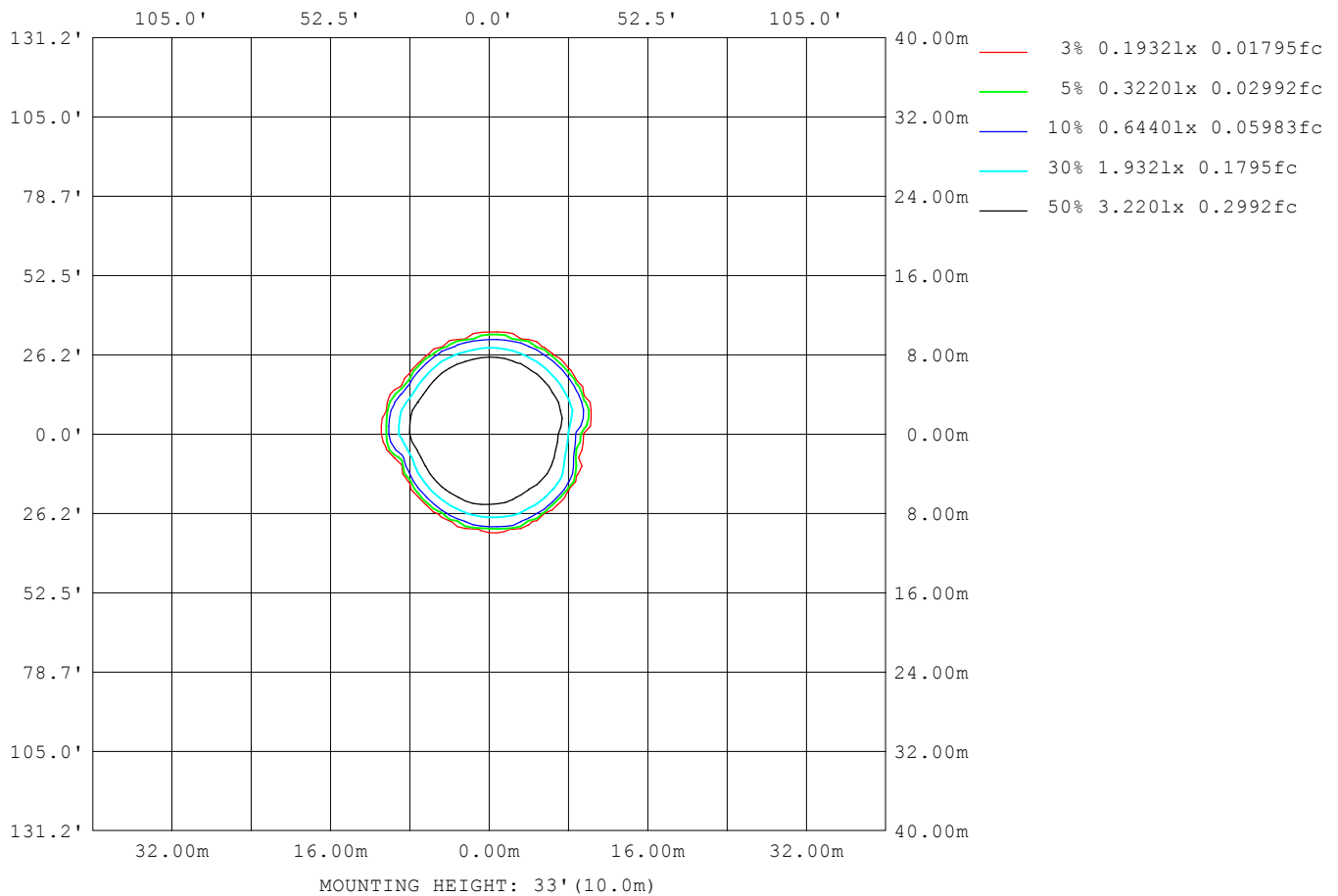
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

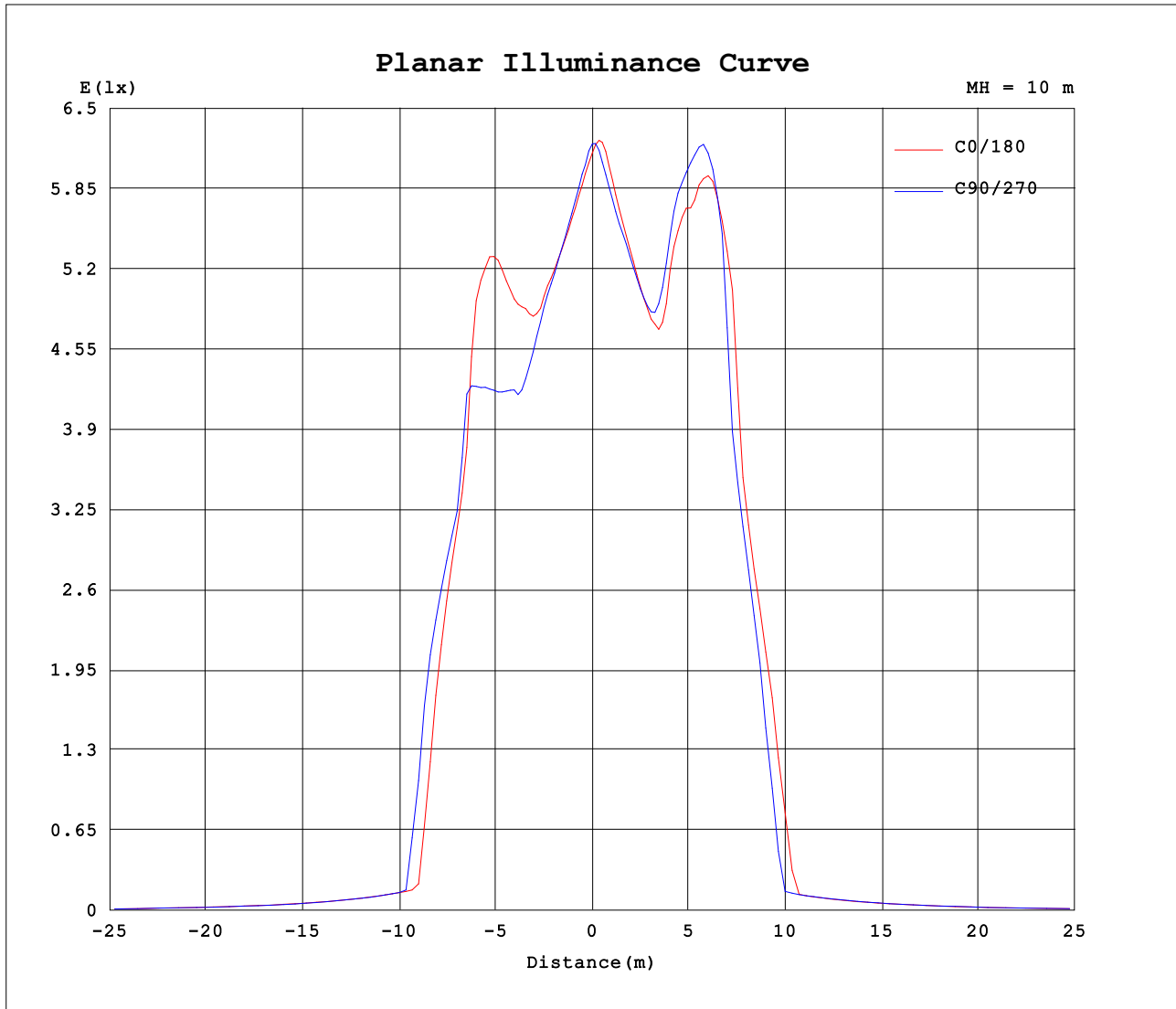
Test:U:120.5V I:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	614	615	626	627	627	621	621	623	622	623	623	624	614	615	626	627	627	621	621
5	576	576	589	587	585	585	582	582	580	580	580	580	611	612	593	593	594	589	593
10	553	550	556	555	554	553	551	551	551	552	552	554	573	574	563	564	565	563	566
15	542	535	540	535	532	532	530	531	537	545	550	553	551	552	551	551	551	551	551
20	590	535	511	504	499	502	509	539	599	654	701	716	574	575	631	628	627	633	609
25	698	613	523	511	509	521	565	624	708	785	833	858	755	746	800	797	808	808	793
30	787	724	626	596	592	603	653	733	816	884	926	959	913	909	971	969	961	969	956
35	564	564	585	560	550	564	589	605	604	617	630	653	972	989	834	834	858	798	859
40	268	277	469	475	475	489	461	404	376	348	355	347	616	636	528	532	553	515	532
45	41.1	41.0	42.9	42.3	41.9	42.0	41.2	40.7	40.1	39.8	39.5	39.4	225	221	41.7	43.6	43.0	42.4	44.1
50	38.1	38.0	39.1	38.8	38.5	38.4	37.9	37.4	36.9	36.6	36.4	36.3	38.6	38.7	37.5	37.8	38.2	38.3	38.9
55	35.2	35.1	36.1	35.8	35.5	35.4	34.9	34.5	34.0	33.7	33.5	33.4	35.6	35.7	34.6	34.9	35.3	35.4	36.0
60	32.3	32.2	33.2	32.9	32.6	32.5	32.0	31.6	31.1	30.9	30.6	30.5	32.7	32.8	31.8	32.1	32.5	32.7	33.3
65	29.1	28.9	30.1	29.8	29.5	29.4	28.9	28.5	28.0	27.8	27.5	27.4	29.8	29.9	28.8	29.1	29.5	29.7	30.3
70	25.2	25.0	26.5	26.2	25.9	25.9	25.4	24.9	24.5	24.2	23.9	23.9	26.7	26.8	25.5	25.8	26.2	26.3	27.0
75	20.3	20.2	22.1	21.9	21.6	21.7	21.1	20.7	20.2	19.9	19.6	19.6	23.0	23.1	21.5	21.8	22.2	22.2	22.9
80	13.5	13.5	16.5	16.3	16.0	16.3	15.6	15.0	14.3	14.0	13.6	13.6	18.3	18.4	16.1	16.4	16.8	16.6	17.4
85	4.45	4.52	8.58	8.48	8.20	8.68	7.73	7.06	6.24	5.84	5.36	5.37	11.7	11.8	8.45	8.64	9.03	8.48	9.37
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.97	3.00	0.00	0.00	0.00	0.01	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	0.04	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.09	0.10	0.05	0.08	0.06	0.08	0.06	0.08	0.04	0.08	0.03	0.06	0.03	0.00	0.05	0.00	0.04	0.00	0.04
135	0.11	0.16	0.10	0.15	0.11	0.14	0.10	0.14	0.10	0.14	0.09	0.11	0.10	0.08	0.11	0.07	0.10	0.09	0.10
140	0.19	0.20	0.17	0.20	0.18	0.20	0.17	0.20	0.16	0.19	0.13	0.15	0.15	0.11	0.15	0.10	0.15	0.11	0.15
145	0.21	0.25	0.20	0.24	0.21	0.24	0.20	0.25	0.19	0.22	0.19	0.20	0.20	0.16	0.20	0.16	0.19	0.17	0.20
150	0.24	0.28	0.24	0.27	0.26	0.27	0.26	0.27	0.22	0.25	0.20	0.23	0.24	0.19	0.24	0.20	0.24	0.20	0.24
155	0.29	0.31	0.27	0.30	0.28	0.31	0.29	0.29	0.26	0.27	0.23	0.26	0.27	0.24	0.27	0.26	0.27	0.24	0.28
160	0.30	0.36	0.29	0.33	0.30	0.35	0.31	0.34	0.29	0.33	0.29	0.32	0.31	0.29	0.33	0.29	0.33	0.29	0.34
165	0.40	0.45	0.39	0.42	0.39	0.43	0.40	0.42	0.38	0.43	0.38	0.41	0.38	0.34	0.41	0.39	0.42	0.38	0.42
170	0.50	0.53	0.49	0.51	0.50	0.49	0.48	0.51	0.48	0.50	0.48	0.49	0.46	0.43	0.50	0.46	0.49	0.48	0.51
175	0.54	0.57	0.52	0.56	0.52	0.56	0.53	0.57	0.54	0.57	0.53	0.56	0.54	0.50	0.56	0.54	0.56	0.53	0.56
180	0.57	0.57	0.57	0.57	0.56	0.57	0.56	0.57	0.57	0.56	0.56	0.56	0.55	0.55	0.57	0.56	0.56	0.56	0.56

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:0.1196A P:12.55W PF:0.8711 Lamp Flux:1190.21x1 lm		
NAME: ADL 12.5W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	623	622	623	623	624														
5	596	601	604	608	607														
10	566	568	569	570	570														
15	551	551	551	551	550														
20	591	580	580	577	567														
25	777	766	760	737	698														
30	947	930	915	884	825														
35	897	915	890	860	823														
40	531	524	513	514	512														
45	53.9	85.5	98.8	122	137														
50	39.4	40.0	40.3	40.5	40.5														
55	36.5	37.0	37.3	37.5	37.5														
60	33.8	34.2	34.5	34.7	34.6														
65	30.8	31.3	31.6	31.7	31.7														
70	27.5	28.0	28.2	28.4	28.3														
75	23.4	23.9	24.2	24.4	24.2														
80	17.9	18.5	18.7	19.0	18.9														
85	9.88	10.6	10.9	11.4	11.3														
90	0.23	1.00	1.35	1.82	1.81														
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	0.01	0.00														
130	0.01	0.06	0.01	0.07	0.04														
135	0.09	0.11	0.10	0.13	0.10														
140	0.11	0.17	0.13	0.19	0.16														
145	0.18	0.21	0.18	0.22	0.20														
150	0.22	0.25	0.22	0.26	0.24														
155	0.24	0.28	0.24	0.28	0.27														
160	0.30	0.33	0.27	0.32	0.29														
165	0.38	0.42	0.37	0.39	0.36														
170	0.49	0.50	0.45	0.49	0.45														
175	0.53	0.56	0.52	0.56	0.52														
180	0.57	0.58	0.55	0.56	0.56														

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