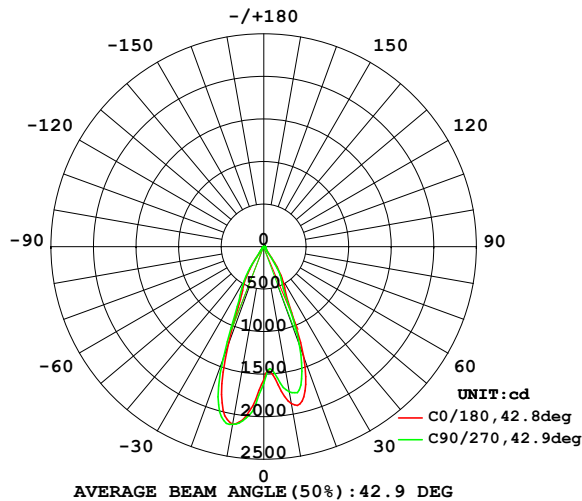


LUMINAIRE PHOTOMETRIC TEST REPORT

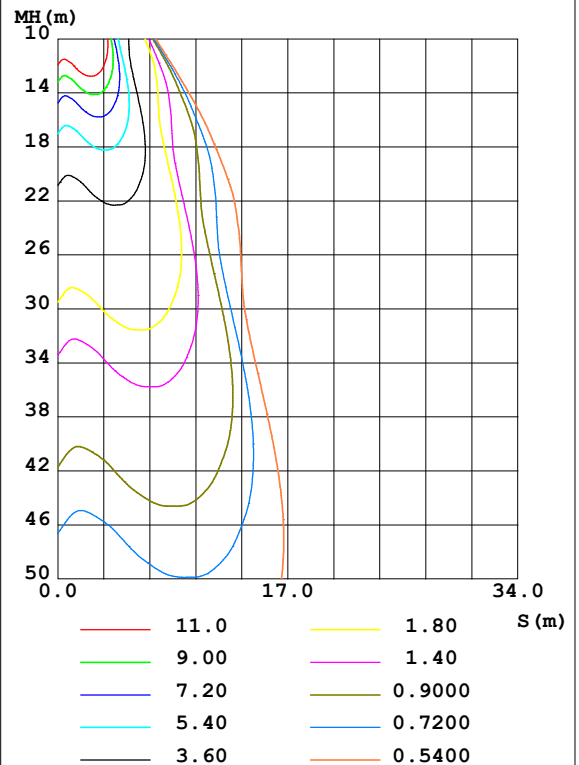
Test:U:120.5V I:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.69 lm/W
MODEL		I _{max} (cd)	2173	S/MH (C0/180)	0.71	
NOMINAL POWER (W)	12.5	LOR (%)	100.0	S/MH (C90/270)	0.73	
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	1169.9	η UP, DN (C0-180)	0.0, 45.9	
NOMINAL FLUX (lm)	1169.88	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 54.0	
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	1873	1577	1730	2062	2121	2086	2121	2114	0- 10	175.8	175.8	15
20	1365	1299	1225	1084	1225	1319	1392	1548	10- 20	494.1	669.9	57.3
30	434.1	387.2	389.9	369.2	420.1	430.3	464.1	504.7	20- 30	322.8	992.7	84.9
40	55.73	53.05	51.38	40.17	46.12	48.08	52.76	62.14	30- 40	110.8	1104	94.3
50	22.54	22.38	22.20	21.44	21.50	21.35	21.82	22.82	40- 50	22.63	1126	96.3
60	16.89	16.76	16.63	15.99	15.93	15.69	16.13	17.07	50- 60	17.10	1143	97.7
70	11.85	11.74	11.58	10.98	10.93	10.64	11.04	12.03	60- 70	13.73	1157	98.9
80	6.366	6.224	6.054	5.353	5.437	5.222	5.595	6.613	70- 80	9.153	1166	99.7
90	0.0013	0	0	0	0	0	0	0.2244	80- 90	2.972	1169	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0029	1169	99.9
110	0	0	0	0	0	0	0	0	100-110	0	1169	99.9
120	0	0	0	0	0	0	0	0	110-120	0	1169	99.9
130	0	0	0	0.0006	0.0130	0	0.0001	0	120-130	0.0000	1169	99.9
140	0.1467	0.1979	0.1850	0.2298	0.2362	0.1849	0.2043	0.1784	130-140	0.0630	1169	99.9
150	0.3822	0.4278	0.3956	0.4533	0.4789	0.4275	0.4598	0.4020	140-150	0.1930	1169	100
160	0.5169	0.5489	0.5233	0.5425	0.5935	0.5744	0.6063	0.5742	150-160	0.2353	1170	100
170	0.5361	0.5616	0.5297	0.5553	0.5935	0.6063	0.6063	0.5936	160-170	0.1615	1170	100
180	0.6063	0.6063	0.6063	0.6127	0.5999	0.6063	0.6063	0.6127	170-180	0.0556	1170	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

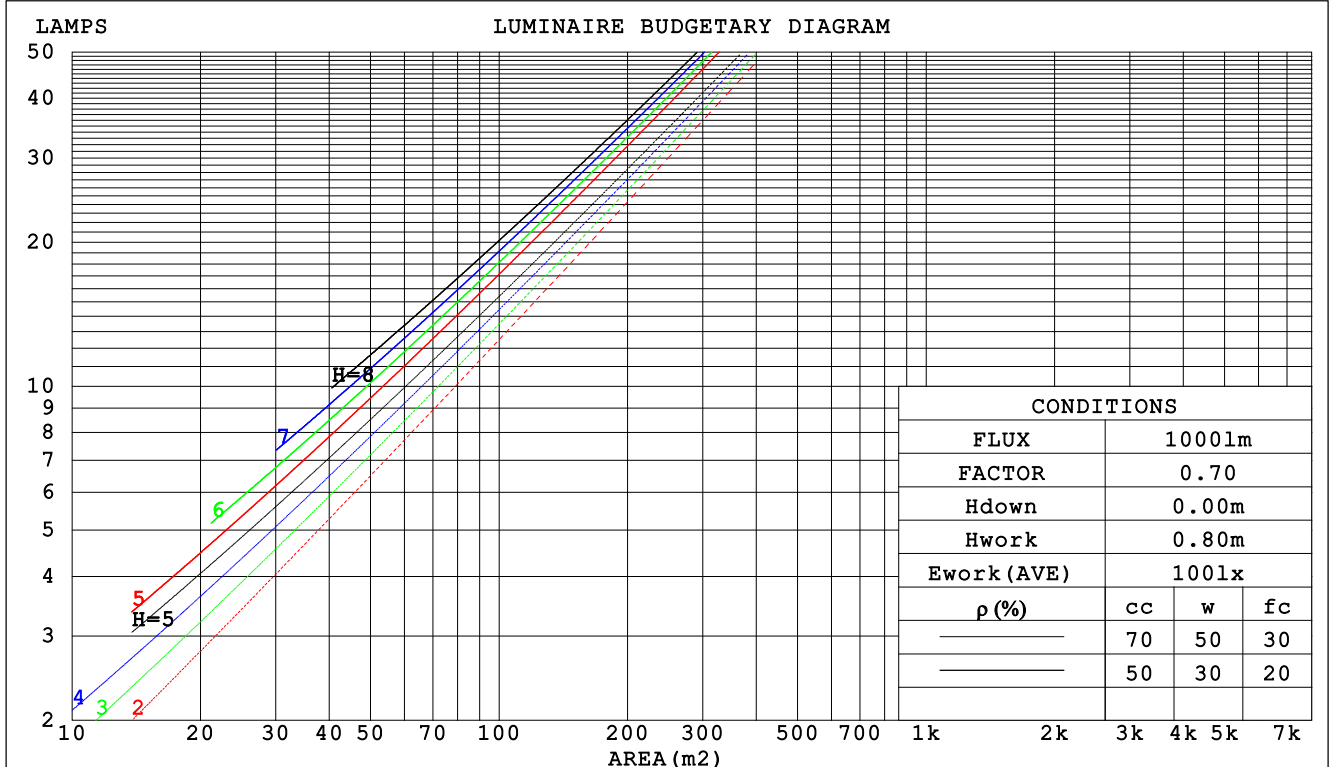
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.92	.89	.86	.90	.87	.85	.84
4.0	.93	.88	.84	.92	.87	.83	.89	.86	.82	.88	.84	.81	.86	.83	.80	.79
5.0	.88	.83	.79	.87	.82	.78	.85	.81	.78	.84	.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	.79	.74	.70	.79	.74	.70	.78	.73	.70	.76	.72	.69	.75	.72	.69	.68
8.0	.76	.70	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.72	.69	.66	.65
9.0	.72	.67	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.69	.66	.63	.62
10.0	.69	.64	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.67	.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:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	.159	.087	.027	.154	.085	.026	.143	.080	.025	.134	.075	.023	.125	.070	.022		
3.0	.150	.080	.024	.145	.078	.023	.136	.074	.022	.128	.070	.021	.120	.067	.021		
4.0	.141	.073	.022	.137	.072	.021	.129	.069	.021	.122	.066	.020	.116	.063	.019		
5.0	.134	.068	.020	.130	.067	.019	.123	.064	.019	.117	.062	.018	.111	.060	.018		
6.0	.127	.064	.018	.124	.062	.018	.118	.060	.018	.113	.058	.017	.107	.057	.017		
7.0	.121	.060	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.104	.054	.016		
8.0	.115	.056	.016	.113	.056	.016	.108	.054	.015	.104	.053	.015	.100	.051	.015		
9.0	.110	.053	.015	.108	.053	.015	.104	.051	.015	.100	.050	.014	.097	.049	.014		
10.0	.106	.051	.014	.104	.050	.014	.100	.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	.083	.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	.113	.078	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.044	.092	.061	.039	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.064	.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	.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:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm										
NAME: ADL 12.5W ADR8WH 40°					TYPE:LED			WEIGHT:		
SPEC.:ADL 12.5W ADR8WH 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	1.2	2.0	1.4	2.2	2.4	0.7	1.6	1.0	1.8	1.9
3H	1.9	2.6	2.1	2.8	3.0	1.5	2.3	1.7	2.5	2.7
4H	2.3	3.0	2.5	3.2	3.4	1.9	2.6	2.2	2.9	3.1
6H	2.7	3.4	2.9	3.6	3.8	2.3	3.0	2.6	3.3	3.5
8H	2.8	3.5	3.1	3.7	4.0	2.5	3.1	2.8	3.4	3.7
12H	2.9	3.6	3.3	3.8	4.1	2.6	3.2	2.9	3.5	3.8
4H 2H	1.3	2.1	1.6	2.3	2.5	0.9	1.7	1.2	1.9	2.1
3H	2.2	2.9	2.5	3.1	3.4	1.9	2.5	2.2	2.8	3.1
4H	2.8	3.4	3.1	3.7	4.0	2.5	3.1	2.8	3.4	3.7
6H	3.3	3.9	3.7	4.2	4.5	3.1	3.6	3.4	3.9	4.3
8H	3.6	4.1	4.0	4.4	4.8	3.3	3.8	3.7	4.1	4.5
12H	3.8	4.2	4.2	4.6	5.0	3.5	3.9	3.9	4.3	4.7
8H 4H	3.0	3.5	3.4	3.8	4.2	2.7	3.2	3.1	3.6	3.9
6H	3.7	4.1	4.1	4.5	4.9	3.4	3.8	3.9	4.2	4.7
8H	4.0	4.4	4.5	4.8	5.2	3.8	4.1	4.2	4.5	5.0
12H	4.3	4.6	4.8	5.0	5.5	4.0	4.3	4.5	4.8	5.2
12H 4H	3.0	3.4	3.4	3.8	4.2	2.7	3.2	3.1	3.5	3.9
6H	3.7	4.1	4.2	4.5	5.0	3.5	3.9	4.0	4.3	4.7
8H	4.1	4.4	4.6	4.9	5.3	3.9	4.2	4.3	4.6	5.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.8 / - 0.3					+ 0.6 / - 0.3				
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117 Corrected 1170 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

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

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	89	86
1.25	103	98	95	102	98	94	100	96	93	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	100	95
3.00	112	108	105	110	107	104	106	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:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1116.6 lm

%lum = 95.4%

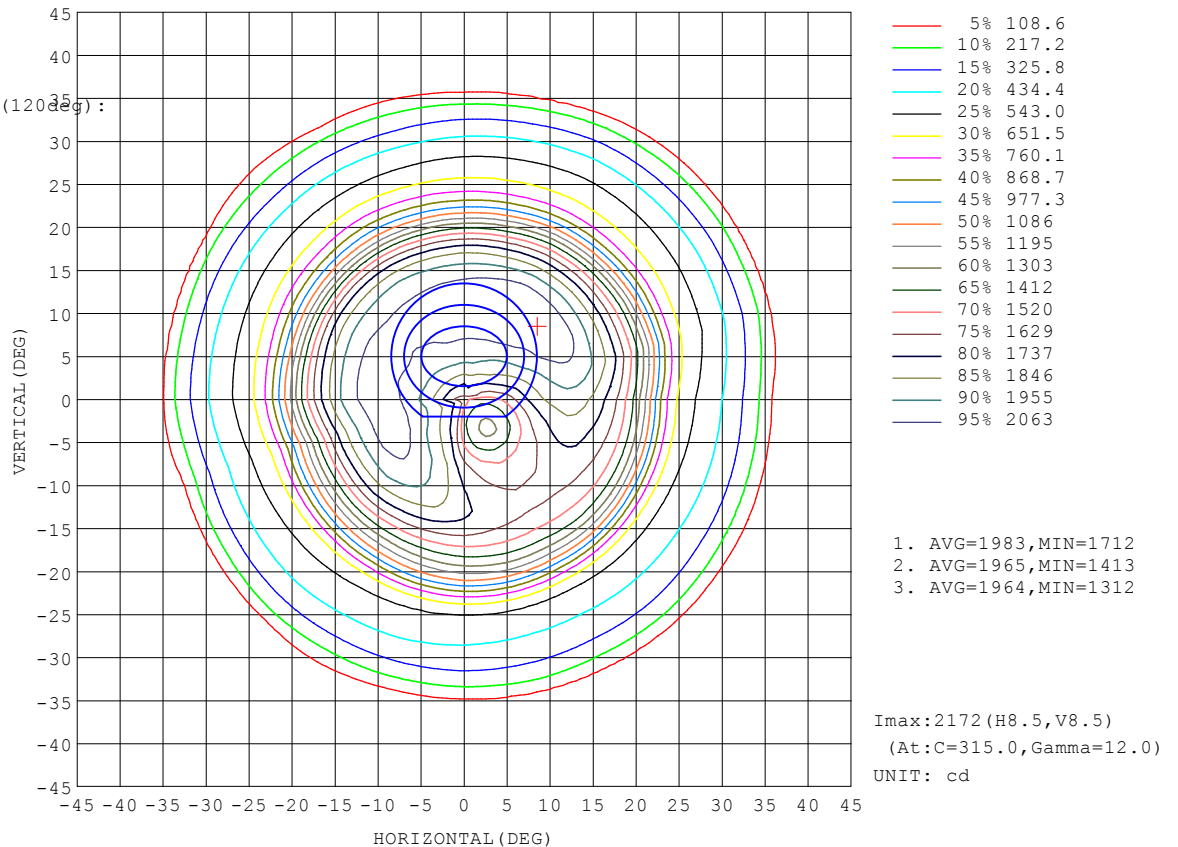
%lamp = 95.4%

Conical surface Flux(120deg):

1143.3 lm

%lum = 97.7%

%lamp = 97.7%

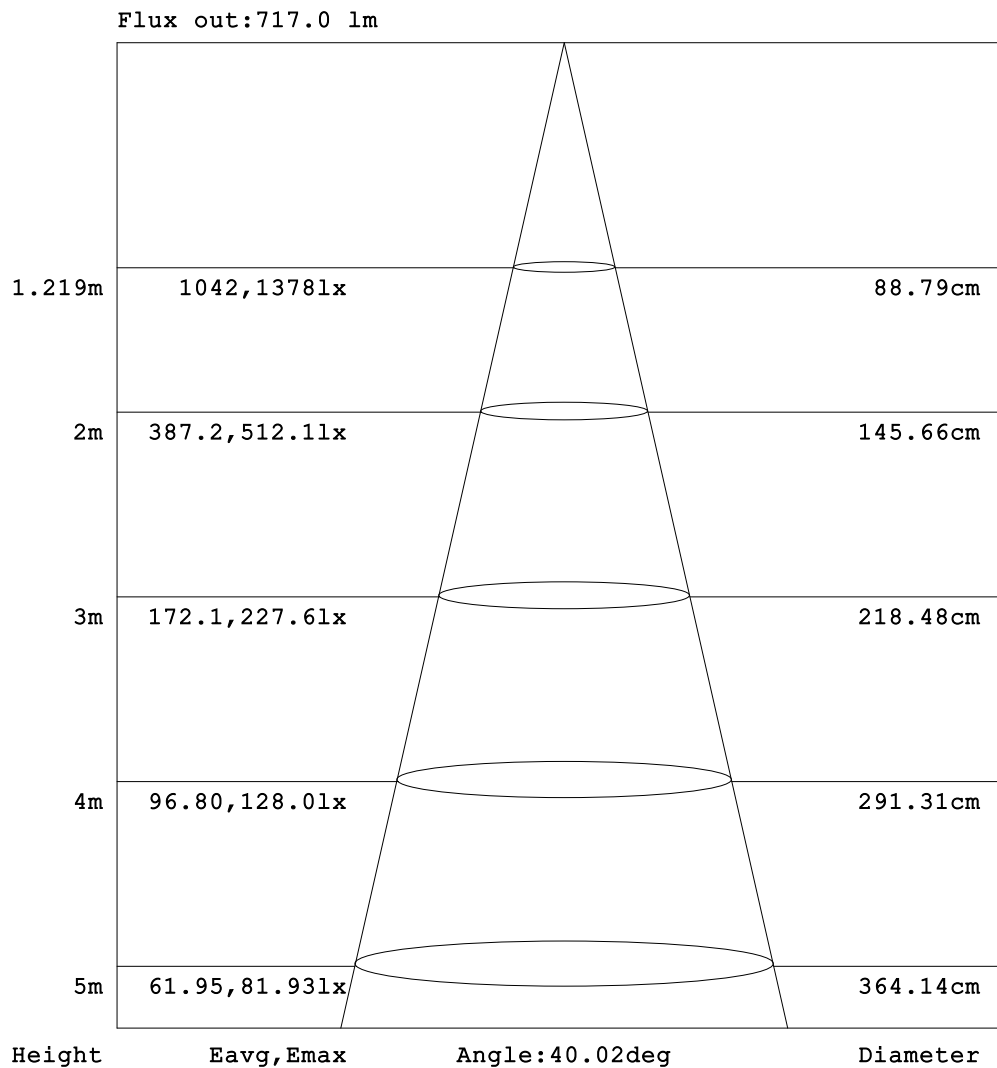


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-29

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:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



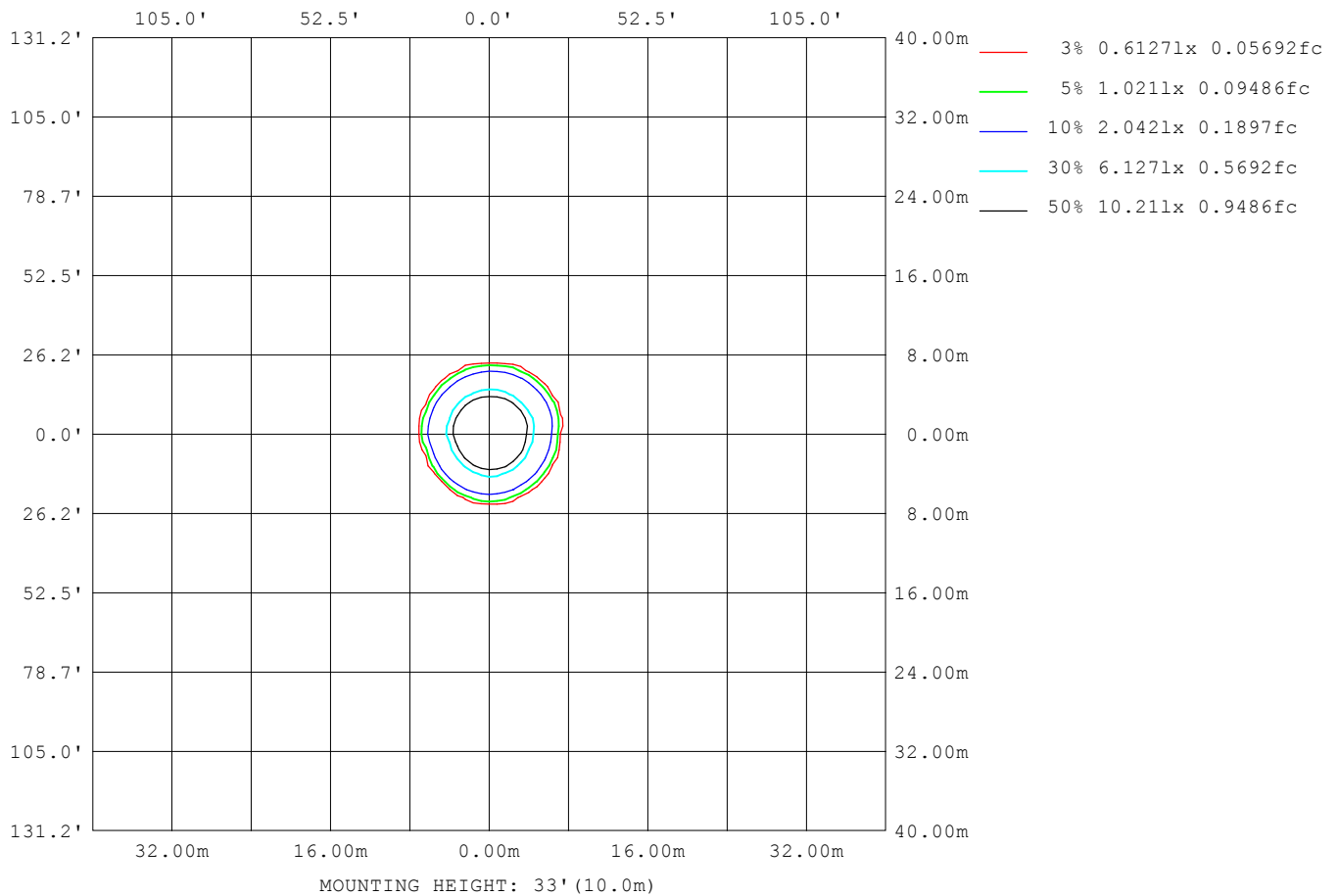
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

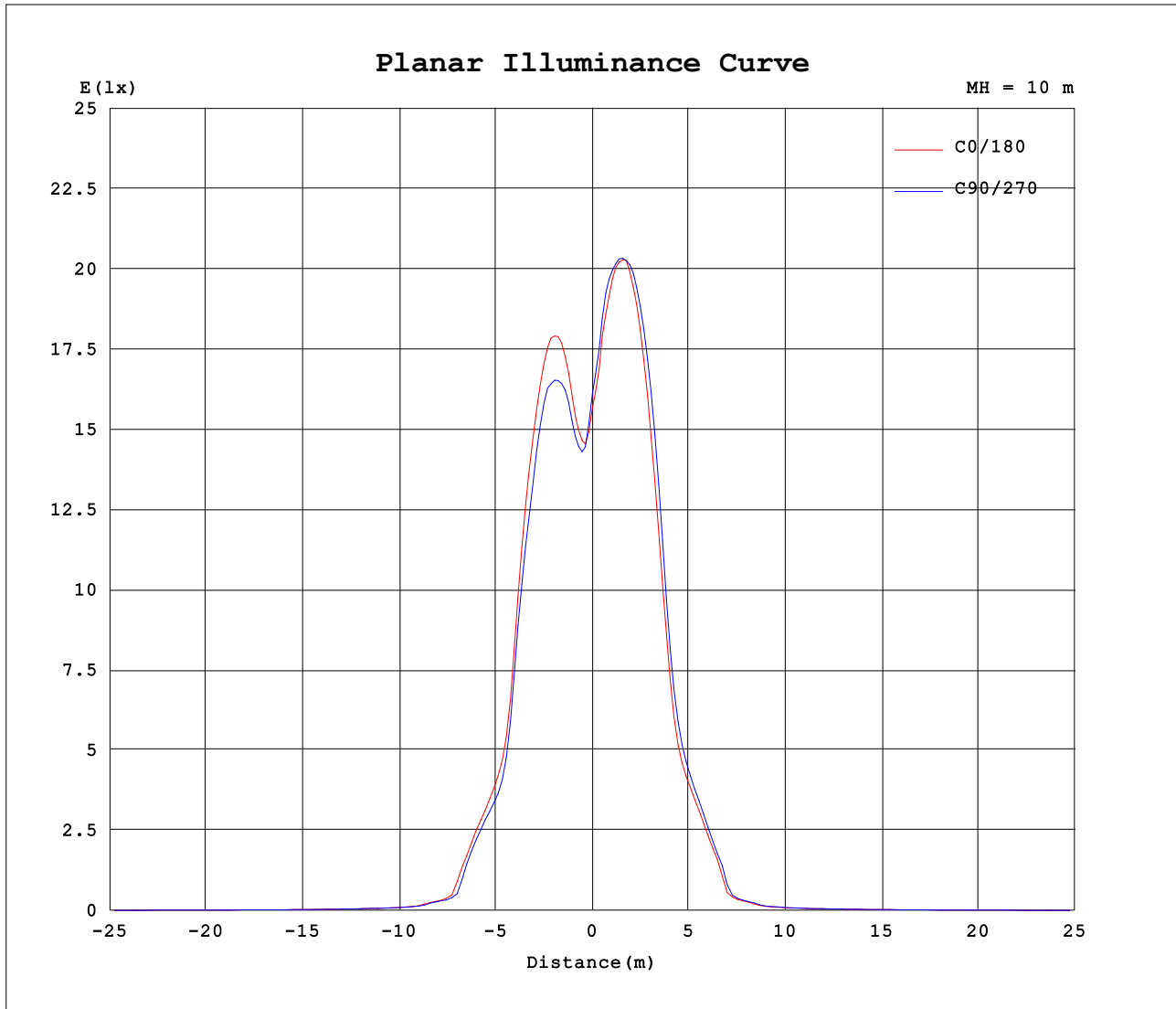
Test:U:120.5V I:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 40°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	1566	1571	1572	1584	1587	1603	1609	1666	1669	1673	1674	1670	1566	1571	1572	1584	1587	1603	1609
5	1560	1446	1344	1287	1298	1366	1495	1725	1831	1908	1969	1993	1936	1969	1974	1979	1987	1999	1991
10	1873	1743	1636	1577	1571	1633	1730	1896	1999	2062	2102	2109	2121	2105	2095	2086	2108	2097	2121
15	1826	1732	1667	1636	1629	1651	1685	1707	1719	1749	1742	1764	1902	1927	1958	1972	1995	1997	2012
20	1365	1347	1332	1299	1255	1257	1225	1173	1122	1084	1060	1047	1225	1246	1288	1319	1348	1358	1392
25	628	608	585	567	550	549	547	540	536	545	551	564	616	630	655	664	685	684	693
30	434	417	399	387	379	383	390	383	375	369	364	358	420	423	429	430	440	445	464
35	166	143	117	107	99.3	101	95.6	86.8	81.7	79.8	77.2	77.8	101	103	108	147	121	158	148
40	55.7	54.5	53.6	53.0	52.1	52.2	51.4	46.8	42.4	40.2	37.3	36.3	46.1	46.2	47.8	48.1	50.3	50.9	52.8
45	28.0	28.0	27.9	27.7	27.3	27.1	26.4	25.4	24.9	24.6	24.3	24.1	25.4	25.3	25.6	25.7	26.2	26.4	27.2
50	22.5	22.5	22.4	22.4	22.3	22.3	22.2	22.0	21.7	21.4	21.1	21.0	21.5	21.4	21.4	21.4	21.5	21.6	21.8
55	19.6	19.6	19.5	19.5	19.4	19.4	19.3	19.1	18.8	18.6	18.3	18.1	18.6	18.5	18.4	18.4	18.5	18.6	18.8
60	16.9	16.9	16.8	16.8	16.7	16.7	16.6	16.4	16.2	16.0	15.7	15.5	15.9	15.8	15.7	15.7	15.8	15.9	16.1
65	14.4	14.3	14.3	14.2	14.2	14.2	14.1	14.0	13.7	13.5	13.2	13.0	13.4	13.3	13.2	13.2	13.3	13.4	13.6
70	11.8	11.8	11.8	11.7	11.7	11.7	11.6	11.4	11.2	11.0	10.7	10.5	10.9	10.8	10.7	10.6	10.7	10.8	11.0
75	9.22	9.21	9.12	9.10	9.03	9.02	8.94	8.77	8.51	8.32	8.04	7.84	8.30	8.13	8.06	8.02	8.10	8.18	8.41
80	6.37	6.35	6.27	6.22	6.15	6.15	6.05	5.84	5.55	5.35	5.07	4.89	5.44	5.30	5.26	5.22	5.30	5.39	5.60
85	3.17	3.16	3.07	3.02	2.92	2.89	2.77	2.53	2.20	2.00	1.76	1.64	2.28	2.22	2.24	2.26	2.34	2.41	2.58
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	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	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
135	0.03	0.08	0.06	0.08	0.08	0.10	0.09	0.11	0.08	0.12	0.08	0.12	0.12	0.09	0.10	0.07	0.10	0.08	0.08
140	0.15	0.19	0.16	0.20	0.17	0.22	0.19	0.23	0.19	0.23	0.18	0.23	0.24	0.19	0.22	0.18	0.22	0.17	0.20
145	0.27	0.31	0.28	0.33	0.29	0.33	0.28	0.33	0.30	0.34	0.29	0.34	0.36	0.33	0.35	0.29	0.34	0.30	0.33
150	0.38	0.42	0.38	0.43	0.39	0.43	0.40	0.45	0.41	0.45	0.40	0.45	0.48	0.45	0.47	0.43	0.47	0.43	0.46
155	0.48	0.51	0.48	0.51	0.49	0.52	0.50	0.52	0.49	0.52	0.50	0.52	0.57	0.53	0.57	0.52	0.56	0.52	0.56
160	0.52	0.56	0.52	0.55	0.52	0.56	0.52	0.55	0.52	0.54	0.51	0.55	0.59	0.59	0.61	0.57	0.60	0.59	0.61
165	0.53	0.56	0.54	0.55	0.54	0.56	0.53	0.55	0.52	0.54	0.52	0.56	0.59	0.60	0.61	0.60	0.61	0.61	0.61
170	0.54	0.56	0.54	0.56	0.54	0.56	0.53	0.55	0.52	0.56	0.53	0.57	0.59	0.60	0.61	0.61	0.61	0.61	0.61
175	0.54	0.58	0.56	0.59	0.57	0.59	0.56	0.59	0.56	0.59	0.57	0.59	0.59	0.61	0.61	0.61	0.61	0.61	0.61
180	0.61	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.61	0.60	0.61	0.60	0.61	0.61	0.61	0.61	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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1184A P:12.35W PF:0.8657 Lamp Flux:1169.88x1 lm		
NAME: ADL 12.5W ADR8WH 40°	TYPE:LED	WEIGHT:
SPEC.:ADL 12.5W ADR8WH 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	1666	1669	1673	1674	1670														
5	1987	1947	1896	1822	1713														
10	2134	2139	2114	2072	1966														
15	2038	2069	2057	2040	1976														
20	1434	1515	1548	1560	1544														
25	707	734	743	759	747														
30	482	504	505	508	495														
35	190	236	254	262	256														
40	55.6	59.9	62.1	63.8	63.4														
45	28.3	29.3	29.5	29.8	29.8														
50	22.1	22.6	22.8	23.1	23.2														
55	19.2	19.6	19.8	20.1	20.2														
60	16.4	16.8	17.1	17.3	17.4														
65	13.9	14.3	14.5	14.8	14.9														
70	11.4	11.8	12.0	12.3	12.4														
75	8.72	9.13	9.40	9.67	9.79														
80	5.93	6.33	6.61	6.89	7.00														
85	2.87	3.25	3.51	3.78	3.88														
90	0.00	0.03	0.22	0.46	0.52														
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	0.06	0.08	0.06	0.08	0.08														
140	0.18	0.20	0.18	0.20	0.17														
145	0.29	0.32	0.28	0.31	0.29														
150	0.41	0.45	0.40	0.43	0.41														
155	0.53	0.55	0.50	0.55	0.50														
160	0.59	0.60	0.57	0.59	0.58														
165	0.60	0.61	0.59	0.59	0.61														
170	0.60	0.61	0.59	0.59	0.59														
175	0.60	0.61	0.60	0.60	0.59														
180	0.61	0.61	0.61	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