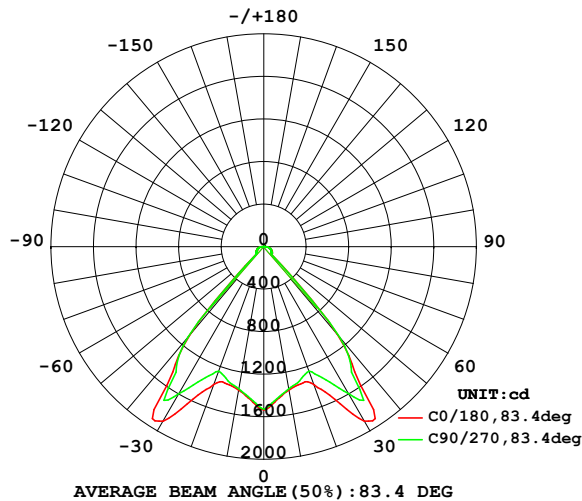


LUMINAIRE PHOTOMETRIC TEST REPORT

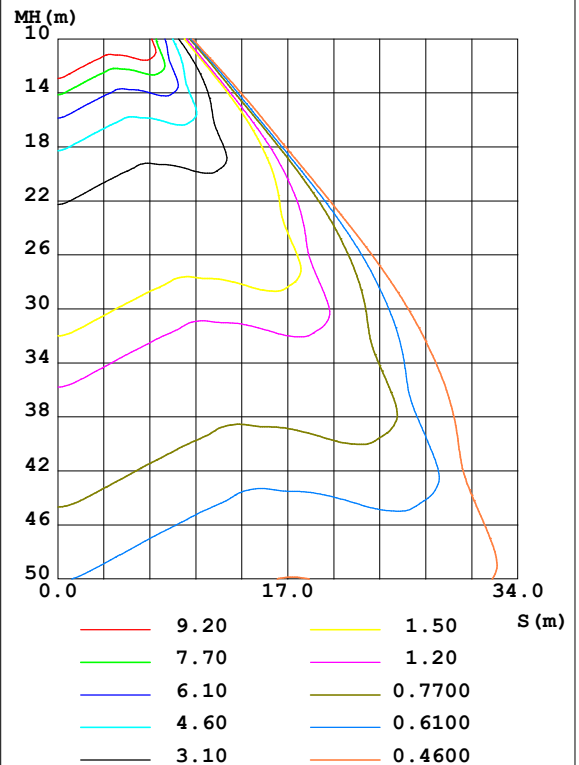
Test:U:120.4V I:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.75 lm/W			
MODEL		I _{max} (cd)	1931	S/MH (C0/180)	1.24
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	2562.9	η UP, DN (C0-180)	0.0, 50.0
NOMINAL FLUX (lm)	2562.92	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	0.80

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum
10	1369	1367	1358	1367	1369	1367	1358	1367	0- 10	135.4	135.4	5.28
20	1382	1242	1246	1242	1382	1242	1246	1242	10- 20	371.1	506.5	19.8
30	1893	1458	1597	1458	1893	1458	1597	1458	20- 30	632.5	1139	44.4
40	1077	1184	1112	1184	1077	1184	1112	1184	30- 40	916.2	2055	80.2
50	95.82	97.11	95.30	97.11	95.82	97.11	95.30	97.11	40- 50	270.2	2325	90.7
60	81.64	82.83	81.11	82.83	81.64	82.83	81.11	82.83	50- 60	79.98	2405	93.9
70	65.39	66.68	64.80	66.68	65.39	66.68	64.80	66.68	60- 70	73.86	2479	96.7
80	40.58	42.58	39.93	42.58	40.58	42.58	39.93	42.58	70- 80	58.02	2537	99
90	0.0153	0	0.0017	0	0.0153	0	0.0017	0	80- 90	23.14	2560	99.9
100	0	0	0	0	0	0	0	0	90-100	0.0008	2560	99.9
110	0	0	0	0	0	0	0	0	100-110	0.0000	2560	99.9
120	0.2008	0.2300	0.2009	0.2300	0.2008	0.2300	0.2009	0.2300	110-120	0.0881	2560	99.9
130	0.4879	0.5385	0.5308	0.5385	0.4879	0.5385	0.5308	0.5385	120-130	0.3289	2561	99.9
140	0.7752	0.8473	0.7967	0.8473	0.7752	0.8473	0.7967	0.8473	130-140	0.5186	2561	99.9
150	0.9833	1.027	1.019	1.027	0.9833	1.027	1.019	1.027	140-150	0.5729	2562	100
160	1.126	1.184	1.163	1.184	1.126	1.184	1.163	1.184	150-160	0.4947	2562	100
170	1.521	1.587	1.557	1.587	1.521	1.587	1.557	1.587	160-170	0.3789	2563	100
180	1.816	1.802	1.802	1.802	1.816	1.802	1.802	1.802	170-180	0.1594	2563	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

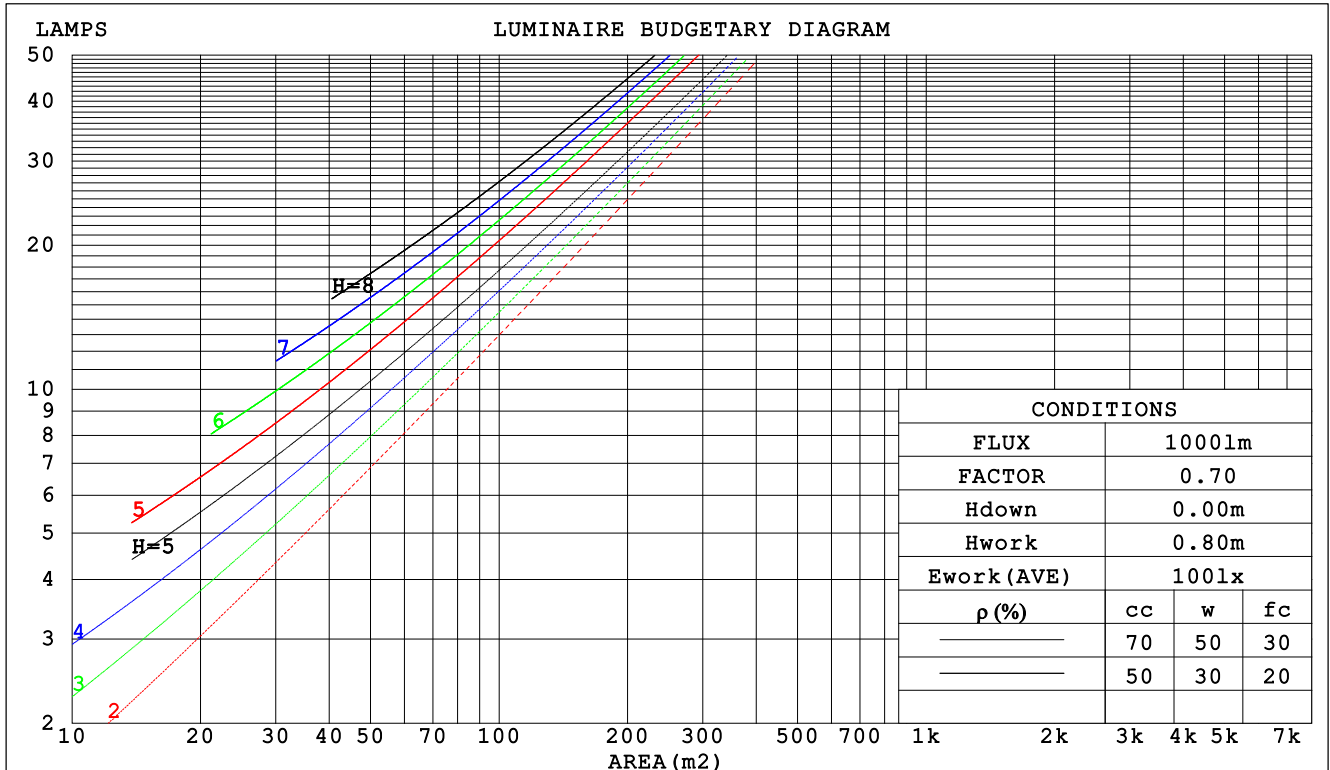
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-30

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W 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	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	1.01	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.93	.89	.97	.92	.88	.93	.89	.86	.90	.87	.84	.87	.85	.82	.80
3.0	.90	.83	.79	.88	.82	.78	.85	.81	.77	.83	.79	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.81	.74	.70	.78	.73	.69	.76	.72	.68	.74	.70	.67	.65
5.0	.75	.68	.63	.74	.68	.63	.72	.66	.62	.70	.65	.61	.69	.64	.61	.59
6.0	.69	.62	.57	.68	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.55	.54
7.0	.64	.57	.52	.63	.56	.51	.62	.56	.51	.60	.55	.51	.59	.54	.50	.49
8.0	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.47	.43	.53	.47	.43	.52	.47	.43	.51	.46	.42	.41
10.0	.51	.44	.40	.50	.44	.39	.50	.43	.39	.49	.43	.39	.48	.43	.39	.37



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:

WEC AND CCEC

Test:U:120.4V I:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm					
NAME: ADL 30W ADR8WH 80°			TYPE:LED		WEIGHT:
SPEC.:ADL 30W 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	.227	.129	.041	.220	.126	.040	.207	.119	.038	.196	.113	.036	.185	.107	.035		
2.0	.216	.118	.036	.210	.116	.036	.199	.111	.034	.189	.106	.033	.179	.101	.032		
3.0	.204	.108	.032	.199	.106	.032	.189	.102	.031	.180	.099	.030	.172	.095	.029		
4.0	.192	.100	.029	.188	.098	.029	.180	.095	.028	.172	.092	.028	.165	.089	.027		
5.0	.182	.093	.027	.178	.091	.027	.171	.089	.026	.164	.086	.026	.157	.084	.025		
6.0	.172	.086	.025	.169	.085	.025	.162	.083	.024	.156	.081	.024	.151	.079	.024		
7.0	.164	.081	.023	.161	.080	.023	.155	.078	.023	.149	.077	.022	.144	.075	.022		
8.0	.156	.076	.021	.153	.075	.021	.148	.074	.021	.143	.072	.021	.138	.071	.021		
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.137	.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	.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	.100	.068	.123	.087	.059	.085	.061	.041	.049	.035	.024	.016	.012	.008	
5.0	.136	.089	.055	.117	.077	.048	.080	.054	.034	.047	.032	.020	.015	.010	.007	
6.0	.129	.081	.046	.111	.070	.040	.077	.049	.028	.044	.029	.017	.014	.009	.006	
7.0	.123	.073	.039	.106	.064	.034	.073	.045	.024	.042	.026	.014	.014	.009	.005	
8.0	.117	.068	.033	.101	.059	.029	.070	.041	.021	.041	.024	.012	.013	.008	.004	
9.0	.112	.063	.029	.097	.054	.025	.067	.038	.018	.039	.023	.011	.013	.007	.004	
10.0	.108	.058	.026	.093	.051	.022	.064	.036	.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:2018-05-30

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:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm										
NAME: ADL 30W ADR8WH 80°					TYPE:LED			WEIGHT:		
SPEC.:ADL 30W 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	12.8	14.0	13.1	14.2	14.4	12.6	13.8	12.8	13.9	14.1
3H	13.0	14.1	13.3	14.4	14.6	12.8	13.9	13.1	14.1	14.3
4H	13.3	14.3	13.6	14.5	14.8	13.0	14.1	13.3	14.3	14.5
6H	13.5	14.5	13.8	14.7	15.0	13.3	14.3	13.6	14.5	14.8
8H	13.6	14.6	14.0	14.8	15.1	13.5	14.4	13.8	14.6	14.9
12H	13.7	14.6	14.1	14.9	15.2	13.5	14.4	13.9	14.7	15.0
4H 2H	12.7	13.7	13.0	14.0	14.2	12.5	13.5	12.7	13.7	14.0
3H	13.1	14.0	13.4	14.3	14.6	12.9	13.8	13.2	14.1	14.4
4H	13.5	14.3	13.8	14.6	14.9	13.3	14.1	13.6	14.4	14.7
6H	13.9	14.6	14.3	15.0	15.3	13.8	14.5	14.1	14.8	15.2
8H	14.1	14.8	14.5	15.2	15.5	14.0	14.6	14.4	15.0	15.4
12H	14.3	14.9	14.7	15.3	15.7	14.2	14.8	14.6	15.1	15.5
8H 4H	13.6	14.3	14.0	14.6	15.0	13.4	14.1	13.8	14.5	14.8
6H	14.2	14.8	14.7	15.2	15.6	14.1	14.6	14.5	15.0	15.5
8H	14.6	15.0	15.0	15.5	15.9	14.4	14.9	14.9	15.3	15.8
12H	14.8	15.2	15.3	15.7	16.2	14.7	15.1	15.2	15.6	16.0
12H 4H	13.6	14.2	14.0	14.6	15.0	13.4	14.0	13.9	14.4	14.8
6H	14.3	14.8	14.8	15.2	15.7	14.2	14.6	14.6	15.1	15.5
8H	14.7	15.1	15.2	15.5	16.0	14.6	15.0	15.0	15.4	15.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.4					+ 1.5 / - 2.3				
1.5H	+ 3.6 / - 2.4					+ 3.6 / - 2.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 2563 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:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W 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) $k(RI) \times RCR = 5$									
$k = 0.60$	79	72	67	79	72	67	78	71	67	63
0.80	88	80	76	87	80	75	85	79	75	71
1.00	93	86	82	92	86	81	90	86	81	76
1.25	98	91	87	97	91	87	95	90	86	81
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	103	99	95	100	96	93	87
2.50	107	102	98	105	101	98	102	99	96	89
3.00	109	105	101	107	103	100	104	101	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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:

ISOCANDELA DIAGRAM

Test:U:120.4V I:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

2284.3 lm

%lum = 89.1%

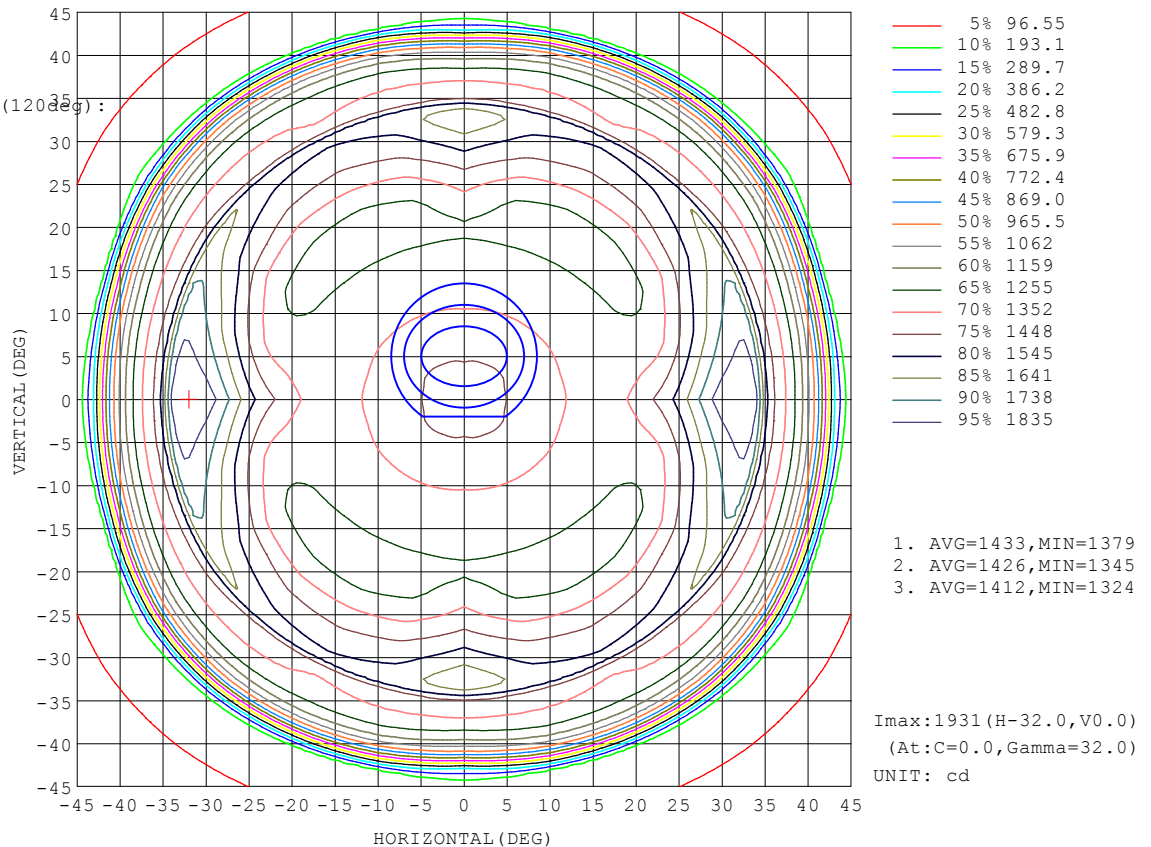
%lamp = 89.1%

Conical surface Flux(120deg):

2405.4 lm

%lum = 93.9%

%lamp = 93.9%

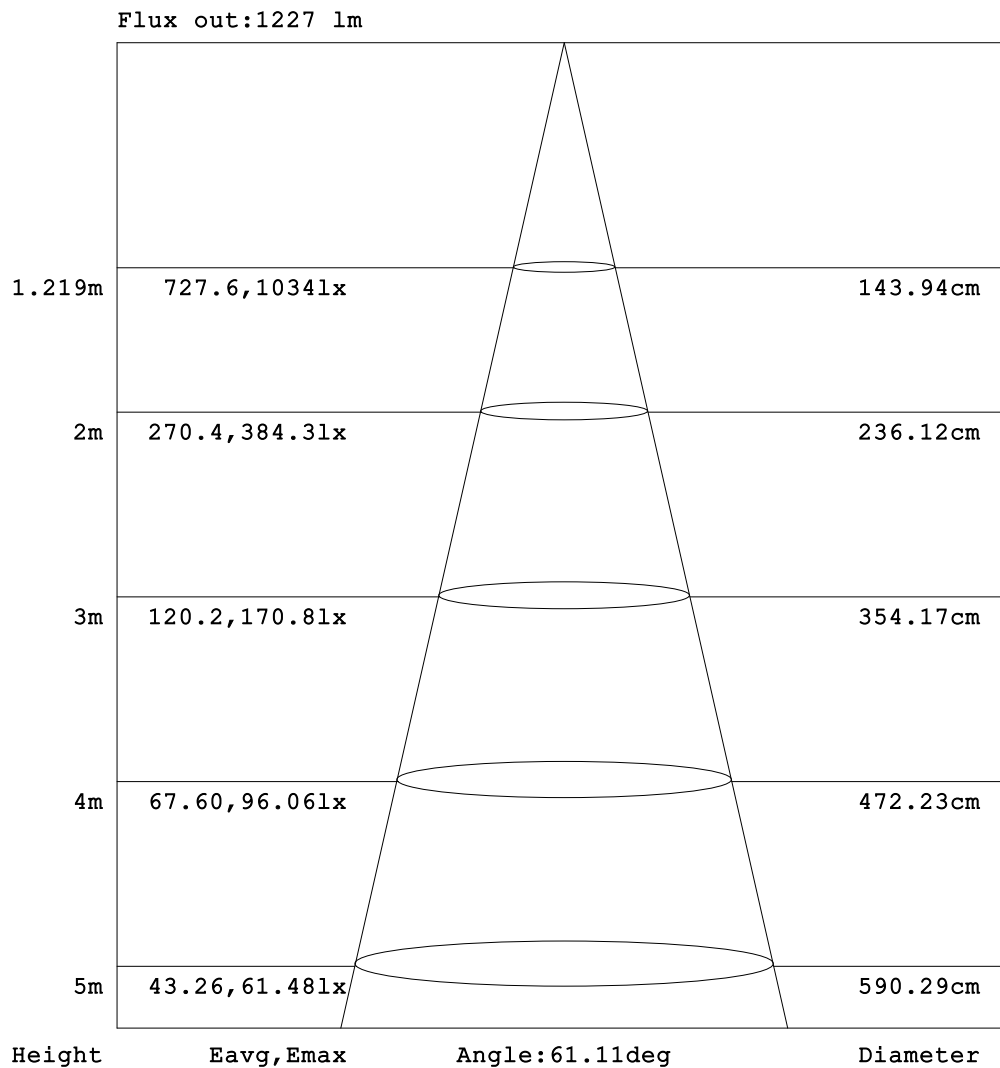


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-30

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:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



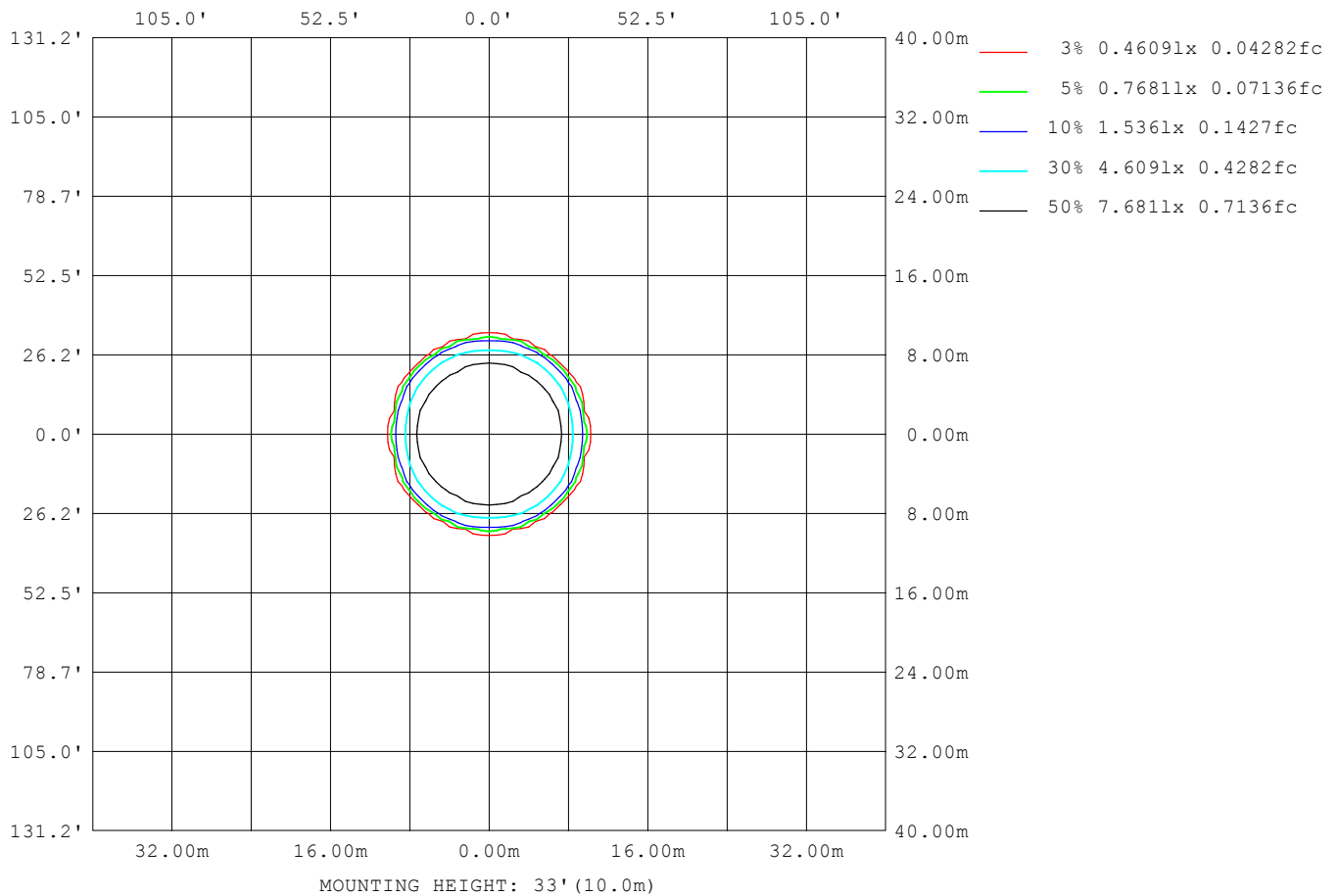
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

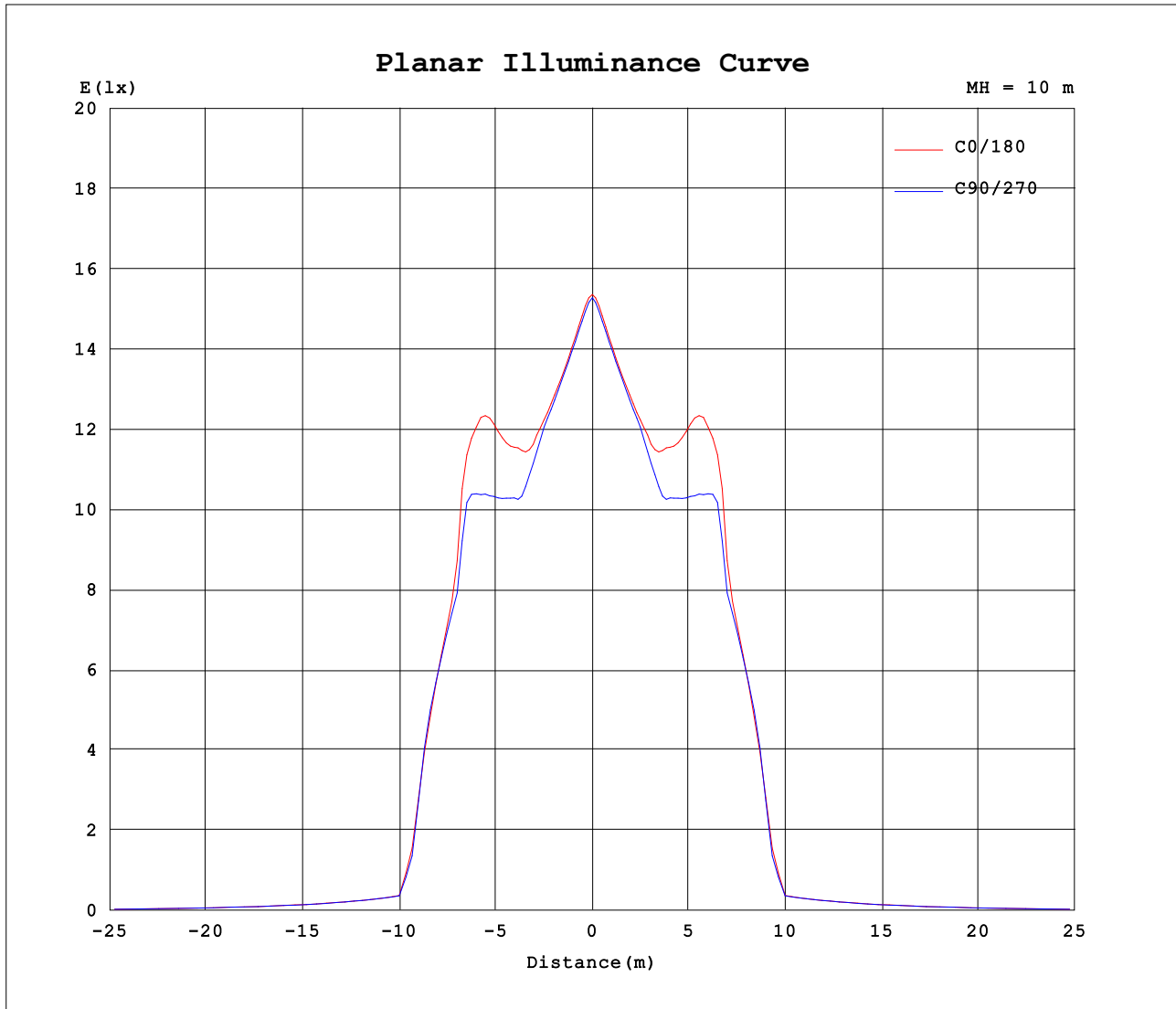
Test:U:120.4V I:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W ADR8WH 80°	DIM.:	SERIAL No.:01
MFR.: GREEN CREATIVE	SUR.:	PROTECTION ANGLE:



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

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:

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:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W 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	1536	1537	1534	1533	1528	1529	1529	1529	1528	1533	1534	1537	1536	1537	1534	1533	1528	1529	1529
5	1446	1445	1452	1449	1442	1441	1435	1441	1442	1449	1452	1445	1446	1445	1452	1449	1442	1441	1435
10	1369	1367	1369	1367	1363	1361	1358	1361	1363	1367	1369	1367	1369	1367	1369	1367	1363	1361	1358
15	1337	1329	1326	1318	1311	1307	1305	1307	1311	1318	1326	1329	1337	1329	1326	1318	1311	1307	1305
20	1382	1292	1257	1242	1231	1228	1246	1228	1231	1242	1257	1292	1382	1292	1257	1242	1231	1228	1246
25	1584	1392	1275	1252	1255	1287	1381	1287	1255	1252	1275	1392	1584	1392	1275	1252	1255	1287	1381
30	1893	1686	1526	1458	1451	1489	1597	1489	1451	1458	1526	1686	1893	1686	1526	1458	1451	1489	1597
35	1587	1534	1510	1423	1375	1390	1441	1390	1375	1423	1510	1534	1587	1534	1510	1423	1375	1390	1441
40	1077	1108	1173	1184	1181	1167	1112	1167	1181	1184	1173	1108	1077	1108	1173	1184	1181	1167	1112
45	106	105	181	107	108	105	104	105	108	107	181	105	106	105	181	107	108	105	104
50	95.8	96.3	97.2	97.1	96.7	96.2	95.3	96.2	96.7	97.1	97.2	96.3	95.8	96.3	97.2	97.1	96.7	96.2	95.3
55	88.6	89.0	89.9	89.8	89.5	89.0	88.1	89.0	89.5	89.8	89.9	89.0	88.6	89.0	89.9	89.8	89.5	89.0	88.1
60	81.6	82.0	82.9	82.8	82.5	82.0	81.1	82.0	82.5	82.8	82.9	82.0	81.6	82.0	82.9	82.8	82.5	82.0	81.1
65	74.1	74.4	75.3	75.3	74.9	74.4	73.5	74.4	74.9	75.3	75.3	74.4	74.1	74.4	75.3	75.3	74.9	74.4	73.5
70	65.4	65.7	66.7	66.7	66.3	65.7	64.8	65.7	66.3	66.7	66.7	65.7	65.4	65.7	66.7	66.7	66.3	65.7	64.8
75	54.8	55.1	56.3	56.2	55.7	55.2	54.1	55.2	55.7	56.2	56.3	55.1	54.8	55.1	56.3	56.2	55.7	55.2	54.1
80	40.6	40.9	42.7	42.6	42.0	41.3	39.9	41.3	42.0	42.6	42.7	40.9	40.6	40.9	42.7	42.6	42.0	41.3	39.9
85	20.8	21.1	23.4	23.4	22.6	21.8	20.0	21.8	22.6	23.4	23.4	21.1	20.8	21.1	23.4	23.4	22.6	21.8	20.0
90	0.02	0.00	0.06	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.06	0.00	0.02	0.00	0.06	0.00	0.02	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	0.07	0.10	0.06	0.10	0.08	0.11	0.08	0.11	0.08	0.10	0.06	0.10	0.07	0.10	0.06	0.10	0.08	0.11	0.08
120	0.20	0.25	0.19	0.23	0.21	0.25	0.20	0.25	0.21	0.23	0.19	0.25	0.20	0.25	0.19	0.23	0.21	0.25	0.20
125	0.34	0.39	0.34	0.39	0.34	0.40	0.36	0.40	0.34	0.39	0.34	0.39	0.34	0.39	0.34	0.39	0.34	0.40	0.36
130	0.49	0.55	0.50	0.54	0.51	0.55	0.53	0.55	0.51	0.54	0.50	0.55	0.49	0.55	0.50	0.54	0.51	0.55	0.53
135	0.64	0.68	0.65	0.70	0.67	0.70	0.66	0.70	0.67	0.70	0.65	0.68	0.64	0.68	0.65	0.70	0.67	0.70	0.66
140	0.78	0.83	0.78	0.85	0.80	0.83	0.80	0.83	0.80	0.85	0.78	0.83	0.78	0.83	0.78	0.85	0.80	0.83	0.80
145	0.88	0.92	0.89	0.94	0.91	0.94	0.90	0.94	0.91	0.94	0.89	0.92	0.88	0.92	0.89	0.94	0.91	0.94	0.90
150	0.98	1.02	0.99	1.03	1.02	1.03	1.02	1.03	1.02	1.03	0.99	1.02	0.98	1.02	0.99	1.03	1.02	1.03	1.02
155	1.03	1.07	1.03	1.09	1.06	1.11	1.06	1.11	1.06	1.09	1.03	1.07	1.03	1.07	1.03	1.09	1.06	1.11	1.06
160	1.13	1.17	1.12	1.18	1.14	1.21	1.16	1.21	1.14	1.18	1.12	1.17	1.13	1.17	1.12	1.18	1.14	1.21	1.16
165	1.31	1.38	1.31	1.38	1.34	1.41	1.36	1.41	1.34	1.38	1.31	1.38	1.31	1.38	1.31	1.38	1.34	1.41	1.36
170	1.52	1.58	1.53	1.59	1.55	1.59	1.56	1.59	1.55	1.59	1.53	1.58	1.52	1.58	1.53	1.59	1.55	1.59	1.56
175	1.71	1.74	1.69	1.74	1.72	1.74	1.72	1.74	1.72	1.74	1.69	1.74	1.71	1.74	1.69	1.74	1.72	1.74	1.72
180	1.82	1.81	1.80	1.80	1.80	1.81	1.80	1.81	1.80	1.80	1.80	1.81	1.82	1.81	1.80	1.80	1.80	1.81	1.80

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
γ 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:0.2718A P:32.55W PF:0.9945 Lamp Flux:2562.92x1 lm		
NAME: ADL 30W ADR8WH 80°	TYPE:LED	WEIGHT:
SPEC.:ADL 30W 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	1529	1528	1533	1534	1537														
5	1441	1442	1449	1452	1445														
10	1361	1363	1367	1369	1367														
15	1307	1311	1318	1326	1329														
20	1228	1231	1242	1257	1292														
25	1287	1255	1252	1275	1392														
30	1489	1451	1458	1526	1686														
35	1390	1375	1423	1510	1534														
40	1167	1181	1184	1173	1108														
45	105	108	107	181	105														
50	96.2	96.7	97.1	97.2	96.3														
55	89.0	89.5	89.8	89.9	89.0														
60	82.0	82.5	82.8	82.9	82.0														
65	74.4	74.9	75.3	75.3	74.4														
70	65.7	66.3	66.7	66.7	65.7														
75	55.2	55.7	56.2	56.3	55.1														
80	41.3	42.0	42.6	42.7	40.9														
85	21.8	22.6	23.4	23.4	21.1														
90	0.00	0.02	0.00	0.06	0.00														
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	0.11	0.08	0.10	0.06	0.10														
120	0.25	0.21	0.23	0.19	0.25														
125	0.40	0.34	0.39	0.34	0.39														
130	0.55	0.51	0.54	0.50	0.55														
135	0.70	0.67	0.70	0.65	0.68														
140	0.83	0.80	0.85	0.78	0.83														
145	0.94	0.91	0.94	0.89	0.92														
150	1.03	1.02	1.03	0.99	1.02														
155	1.11	1.06	1.09	1.03	1.07														
160	1.21	1.14	1.18	1.12	1.17														
165	1.41	1.34	1.38	1.31	1.38														
170	1.59	1.55	1.59	1.53	1.58														
175	1.74	1.72	1.74	1.69	1.74														
180	1.81	1.80	1.80	1.80	1.81														

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: