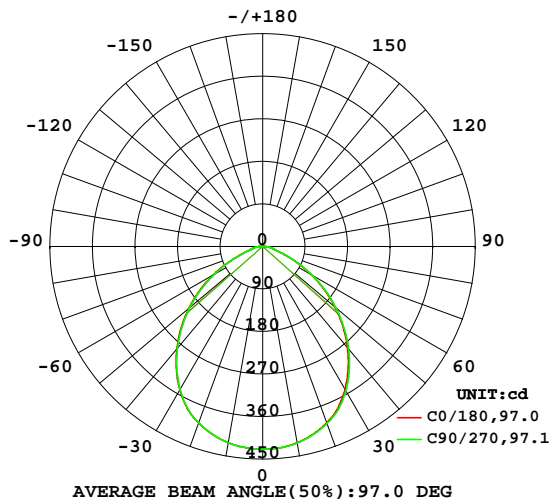


## LUMINAIRE PHOTOMETRIC TEST REPORT

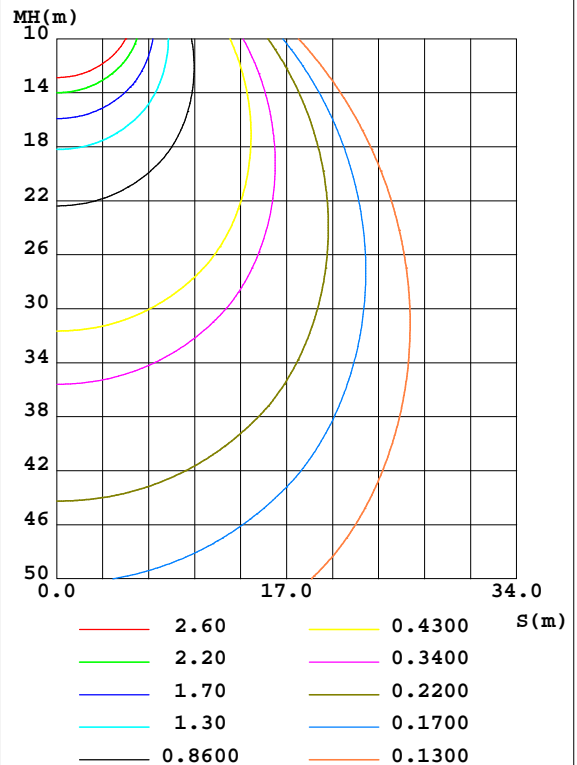
Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.501x1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 57.83 lm/W
MODEL		Imax(cd)	428.9	S/MH(C0/180)	1.22	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	978.50	$\eta$ UP,DN(C0-180)	0.0,50.2	
NOMINAL FLUX(lm)	978.501	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.8	
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	$\eta$ down(%)	100.0	CIBSE SHR MAX	1.35	

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**C0 PLANE ISOLUX DIAGRAM (UNIT:lx)**



**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Ky**  
**Test Date:27 November 2015**

**$\gamma$  Range: 0 - 90DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295**  
**Humidity:65.0%**  
**Test Distance:7.220m [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,lamp
5	427.4	427.4	427.4	427.4	427.2	427.2	427.2	427.3	0- 5	10.24	10.24	1.05,1.05
10	421.7	422.1	422.2	421.8	421.6	421.5	421.5	421.6	5- 10	30.38	40.62	4.15,4.15
15	411.5	412.2	412.4	411.8	411.5	411.3	411.2	411.3	10- 15	49.44	90.06	9.2,9.2
20	397.0	398.0	398.5	397.6	397.2	397.1	396.8	396.8	15- 20	66.68	156.7	16,16
25	377.1	378.7	379.8	378.7	378.0	377.6	377.2	377.1	20- 25	81.41	238.1	24.3,24.3
30	348.8	350.9	352.4	351.3	350.7	350.2	349.6	349.0	25- 30	92.21	330.3	33.8,33.8
35	315.7	317.9	319.6	318.8	318.4	317.7	316.9	316.0	30- 35	98.36	428.7	43.8,43.8
40	279.2	281.3	283.0	282.4	282.8	281.5	280.6	279.5	35- 40	99.89	528.6	54,54
45	240.4	242.3	243.9	243.5	244.7	242.6	241.8	240.6	40- 45	96.93	625.5	63.9,63.9
50	200.1	201.6	203.0	202.5	204.4	201.9	201.6	200.1	45- 50	89.73	715.3	73.1,73.1
55	159.1	160.1	161.6	160.7	163.0	160.5	160.0	159.5	50- 55	78.74	794.0	81.1,81.1
60	117.8	119.2	120.0	119.3	121.4	118.4	117.9	118.2	55- 60	64.49	858.5	87.7,87.7
65	78.78	81.14	80.71	80.05	81.30	78.61	77.46	78.98	60- 65	48.00	906.5	92.6,92.6
70	45.50	47.99	47.04	46.46	46.34	44.93	44.18	45.55	65- 70	31.31	937.8	95.8,95.8
75	25.04	25.51	25.96	25.75	26.88	24.91	24.79	25.25	70- 75	17.90	955.7	97.7,97.7
80	18.79	19.01	19.55	19.77	20.46	18.45	19.07	18.52	75- 80	12.08	967.8	98.9,98.9
85	6.079	9.929	10.13	10.20	9.619	8.697	10.14	10.57	80- 85	7.914	975.7	99.7,99.7
90	0.6158	0.7726	0.6625	0.8699	3.321	0.5368	2.034	1.459	85- 90	2.805	978.5	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 625.52 lm

%lum = 63.9%

%lamp = 63.9%

Conical surface Flux(120deg): 858.48 lm

%lum = 87.7%

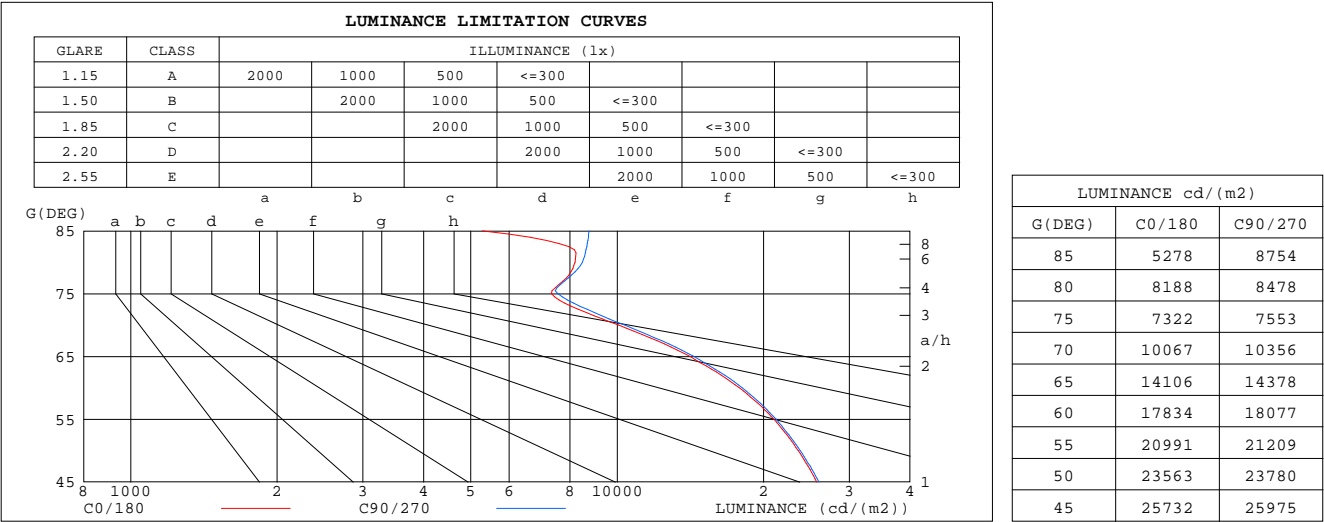
%lamp = 87.7%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Ky  
 Test Date:27 November 2015

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:7.220m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:



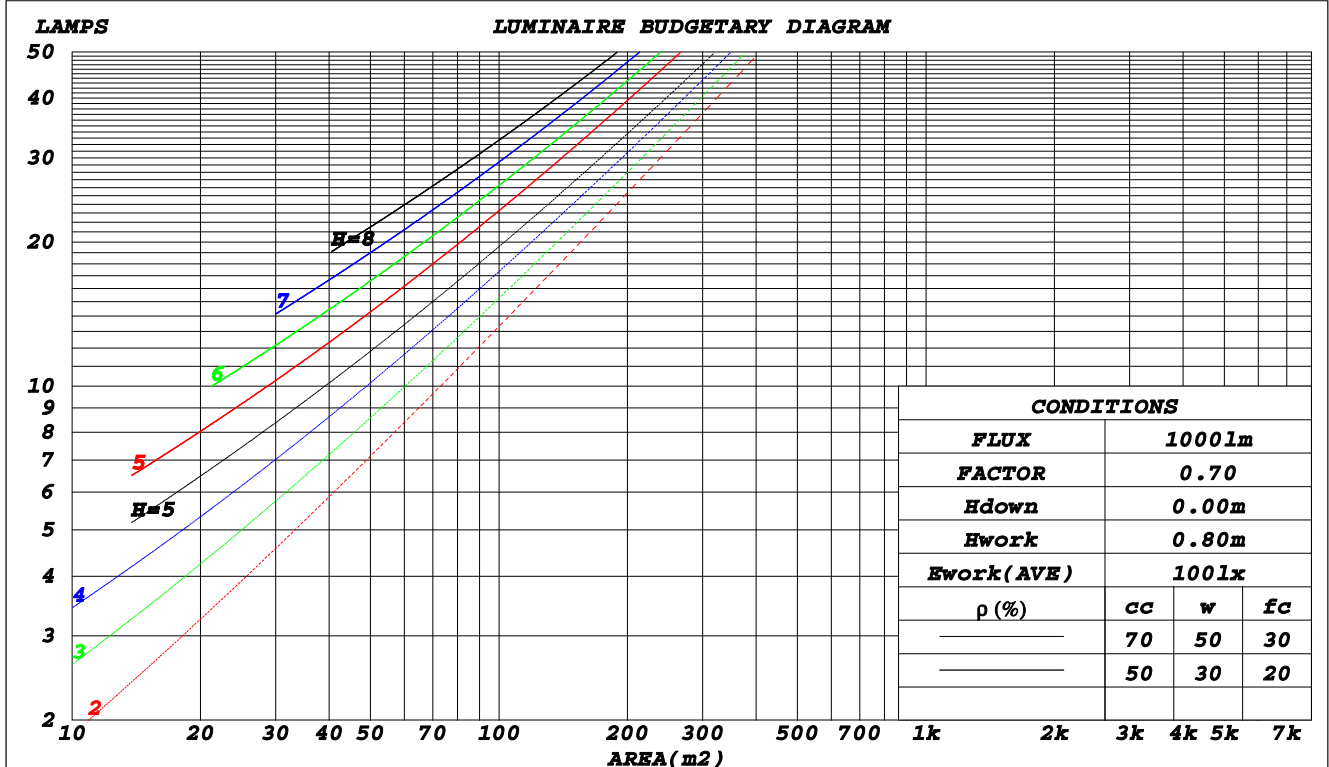
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Ky  
Test Date:27 November 2015

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:7.220m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.501x1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding 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	1.00
1.0	1.06	1.02	.99	1.04	1.01	.97	.90	.97	.94	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.78	.83	.80	.77	.75
3.0	.84	.77	.71	.82	.76	.70	.79	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.75	.67	.61	.74	.66	.61	.71	.65	.60	.69	.63	.59	.67	.62	.58	.56
5.0	.68	.59	.53	.67	.59	.53	.65	.58	.52	.63	.57	.52	.61	.56	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.59	.52	.46	.57	.51	.46	.55	.50	.46	.44
7.0	.56	.48	.42	.55	.47	.42	.54	.47	.41	.52	.46	.41	.51	.45	.41	.39
8.0	.51	.43	.38	.51	.43	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.35
9.0	.47	.39	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.33	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.40	.35	.31	.29



**C Range:** 0 - 360DEG  
**C Interval:** 22.5DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** Ky  
**Test Date:** 27 November 2015

**$\gamma$  Range:** 0 - 90DEG  
 **$\gamma$  Interval:** 0.5DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
**Humidity:** 65.0%  
**Test Distance:** 7.220m [K=1.0000]  
**Remarks:**

## WEC AND CCEC

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.501x1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.267	.152	.048	.260	.148	.047	.247	.142	.045	.235	.135	.043	.224	.130	.042		
2.0	.256	.140	.043	.250	.138	.042	.239	.133	.041	.228	.128	.040	.218	.124	.039		
3.0	.241	.128	.038	.236	.126	.038	.226	.122	.037	.217	.119	.036	.208	.115	.036		
4.0	.226	.117	.035	.221	.116	.034	.212	.113	.034	.204	.110	.033	.197	.107	.033		
5.0	.211	.108	.031	.207	.106	.031	.199	.104	.031	.192	.101	.030	.185	.099	.030		
6.0	.198	.099	.028	.194	.098	.028	.187	.096	.028	.181	.094	.028	.175	.092	.027		
7.0	.186	.092	.026	.183	.091	.026	.176	.089	.026	.170	.087	.025	.165	.086	.025		
8.0	.175	.085	.024	.172	.085	.024	.166	.083	.024	.161	.082	.024	.156	.080	.023		
9.0	.165	.080	.022	.162	.079	.022	.157	.078	.022	.152	.076	.022	.148	.075	.022		
10.0	.156	.075	.021	.153	.074	.021	.149	.073	.021	.145	.072	.020	.140	.071	.020		

$\rho_{cc}$	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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.102	.143	.114	.088	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.159	.114	.078	.136	.098	.068	.094	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.151	.100	.062	.130	.087	.054	.089	.061	.038	.052	.035	.022	.017	.012	.007	
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.025	.047	.029	.015	.015	.009	.005	
7.0	.131	.074	.035	.112	.064	.030	.078	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.069	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.113	.059	.023	.098	.052	.020	.068	.036	.014	.040	.021	.009	.013	.007	.003	

**C Range:** 0 - 360DEG  
**C Interval:** 22.5DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** Ky  
**Test Date:** 27 November 2015

**$\gamma$  Range:** 0 - 90DEG  
 **$\gamma$  Interval:** 0.5DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
**Humidity:** 65.0%  
**Test Distance:** 7.220m [K=1.0000]  
**Remarks:**

## UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:

<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>23.1</b>	<b>24.5</b>	<b>23.3</b>	<b>24.7</b>	<b>24.9</b>	<b>23.1</b>	<b>24.5</b>	<b>23.4</b>	<b>24.7</b>	<b>24.9</b>
<b>3H</b>	<b>23.6</b>	<b>24.9</b>	<b>23.9</b>	<b>25.1</b>	<b>25.4</b>	<b>23.7</b>	<b>25.0</b>	<b>24.0</b>	<b>25.2</b>	<b>25.5</b>
<b>4H</b>	<b>23.7</b>	<b>25.0</b>	<b>24.0</b>	<b>25.2</b>	<b>25.4</b>	<b>23.8</b>	<b>25.1</b>	<b>24.1</b>	<b>25.3</b>	<b>25.5</b>
<b>6H</b>	<b>23.9</b>	<b>25.0</b>	<b>24.2</b>	<b>25.3</b>	<b>25.5</b>	<b>24.0</b>	<b>25.1</b>	<b>24.3</b>	<b>25.4</b>	<b>25.6</b>
<b>8H</b>	<b>23.9</b>	<b>25.0</b>	<b>24.2</b>	<b>25.3</b>	<b>25.6</b>	<b>24.0</b>	<b>25.1</b>	<b>24.3</b>	<b>25.4</b>	<b>25.7</b>
<b>12H</b>	<b>23.9</b>	<b>25.0</b>	<b>24.3</b>	<b>25.2</b>	<b>25.5</b>	<b>24.1</b>	<b>25.1</b>	<b>24.4</b>	<b>25.4</b>	<b>25.7</b>
<b>4H 2H</b>	<b>23.4</b>	<b>24.6</b>	<b>23.7</b>	<b>24.9</b>	<b>25.1</b>	<b>23.5</b>	<b>24.7</b>	<b>23.8</b>	<b>24.9</b>	<b>25.2</b>
<b>3H</b>	<b>24.1</b>	<b>25.1</b>	<b>24.4</b>	<b>25.4</b>	<b>25.7</b>	<b>24.1</b>	<b>25.2</b>	<b>24.5</b>	<b>25.5</b>	<b>25.8</b>
<b>4H</b>	<b>24.2</b>	<b>25.2</b>	<b>24.6</b>	<b>25.5</b>	<b>25.8</b>	<b>24.3</b>	<b>25.3</b>	<b>24.7</b>	<b>25.6</b>	<b>25.9</b>
<b>6H</b>	<b>24.4</b>	<b>25.3</b>	<b>24.8</b>	<b>25.6</b>	<b>26.0</b>	<b>24.5</b>	<b>25.4</b>	<b>24.9</b>	<b>25.7</b>	<b>26.1</b>
<b>8H</b>	<b>24.5</b>	<b>25.3</b>	<b>25.0</b>	<b>25.7</b>	<b>26.1</b>	<b>24.7</b>	<b>25.4</b>	<b>25.1</b>	<b>25.8</b>	<b>26.2</b>
<b>12H</b>	<b>24.6</b>	<b>25.3</b>	<b>25.0</b>	<b>25.7</b>	<b>26.1</b>	<b>24.8</b>	<b>25.5</b>	<b>25.2</b>	<b>25.9</b>	<b>26.3</b>
<b>8H 4H</b>	<b>24.3</b>	<b>25.0</b>	<b>24.7</b>	<b>25.4</b>	<b>25.8</b>	<b>24.4</b>	<b>25.1</b>	<b>24.8</b>	<b>25.5</b>	<b>25.9</b>
<b>6H</b>	<b>24.6</b>	<b>25.2</b>	<b>25.0</b>	<b>25.6</b>	<b>26.1</b>	<b>24.7</b>	<b>25.3</b>	<b>25.1</b>	<b>25.7</b>	<b>26.2</b>
<b>8H</b>	<b>24.8</b>	<b>25.3</b>	<b>25.2</b>	<b>25.8</b>	<b>26.2</b>	<b>24.9</b>	<b>25.5</b>	<b>25.3</b>	<b>25.9</b>	<b>26.3</b>
<b>12H</b>	<b>24.9</b>	<b>25.4</b>	<b>25.3</b>	<b>25.8</b>	<b>26.3</b>	<b>25.1</b>	<b>25.6</b>	<b>25.5</b>	<b>26.0</b>	<b>26.5</b>
<b>12H 4H</b>	<b>24.3</b>	<b>25.0</b>	<b>24.7</b>	<b>25.3</b>	<b>25.8</b>	<b>24.3</b>	<b>25.1</b>	<b>24.8</b>	<b>25.4</b>	<b>25.8</b>
<b>6H</b>	<b>24.6</b>	<b>25.2</b>	<b>25.1</b>	<b>25.6</b>	<b>26.1</b>	<b>24.7</b>	<b>25.3</b>	<b>25.2</b>	<b>25.7</b>	<b>26.2</b>
<b>8H</b>	<b>24.8</b>	<b>25.3</b>	<b>25.3</b>	<b>25.8</b>	<b>26.2</b>	<b>24.9</b>	<b>25.4</b>	<b>25.4</b>	<b>25.9</b>	<b>26.4</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.4 / - 0.5</b>					<b>+ 0.4 / - 0.5</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.4</b>					<b>+ 0.2 / - 0.4</b>				
<b>2.0H</b>	<b>+ 0.7 / - 0.8</b>					<b>+ 0.7 / - 0.7</b>				

CIE Pub.117 Corrected 978.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.1)

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Ky**  
**Test Date:27 November 2015**

**γ Range: 0 - 90DEG**  
**γ Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295**  
**Humidity:65.0%**  
**Test Distance:7.220m [K=1.0000]**  
**Remarks:**

## UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:

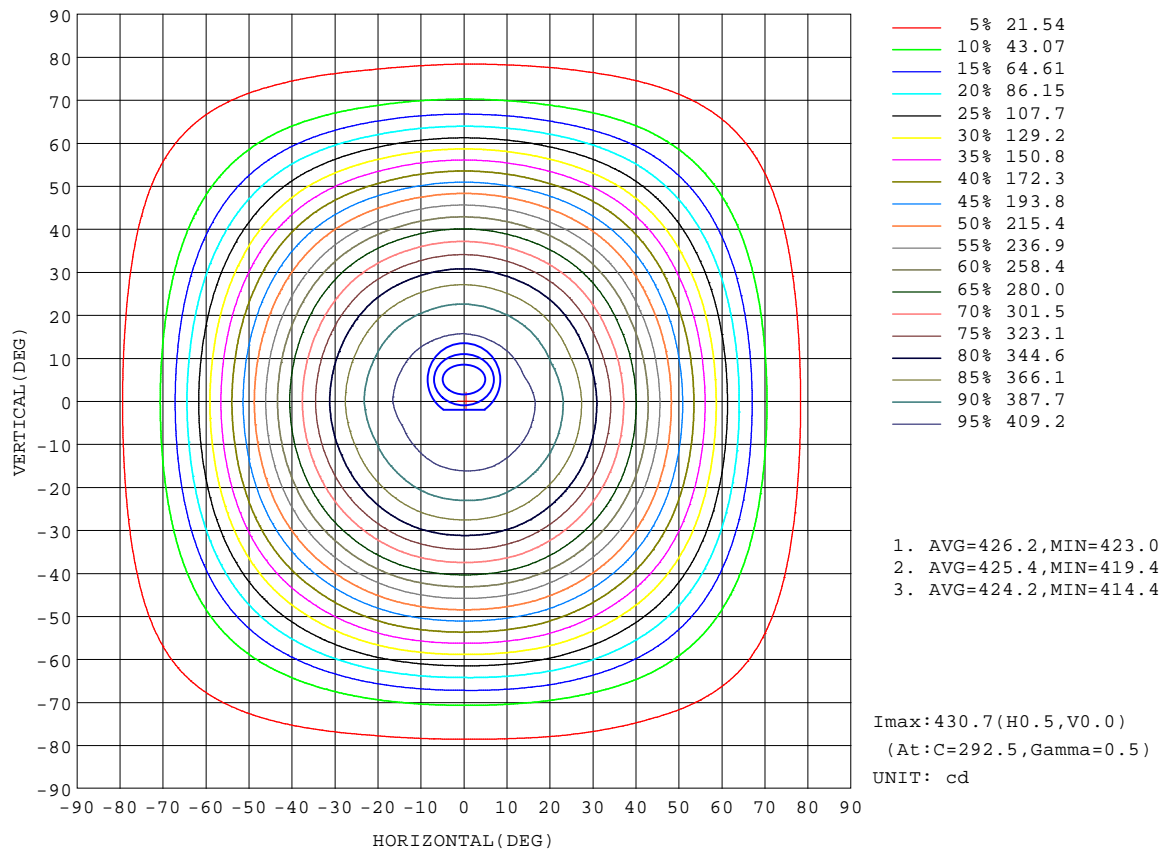
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	52	45	62	52	45	61	51	45	39
0.80	73	62	56	72	62	56	70	61	55	49
1.00	81	71	65	80	71	65	78	72	64	58
1.25	88	79	73	87	78	72	84	77	71	65
1.50	93	84	78	91	83	78	88	82	77	70
2.00	99	92	86	97	90	85	94	88	84	77
2.50	102	95	90	100	94	89	97	92	87	80
3.00	105	99	94	103	98	93	99	95	91	83
4.00	108	103	100	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	104	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Ky**  
**Test Date:27 November 2015**

**$\gamma$  Range: 0 - 90DEG**  
 **$\gamma$  Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295**  
**Humidity:65.0%**  
**Test Distance:7.220m [K=1.0000]**  
**Remarks:**

## ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:



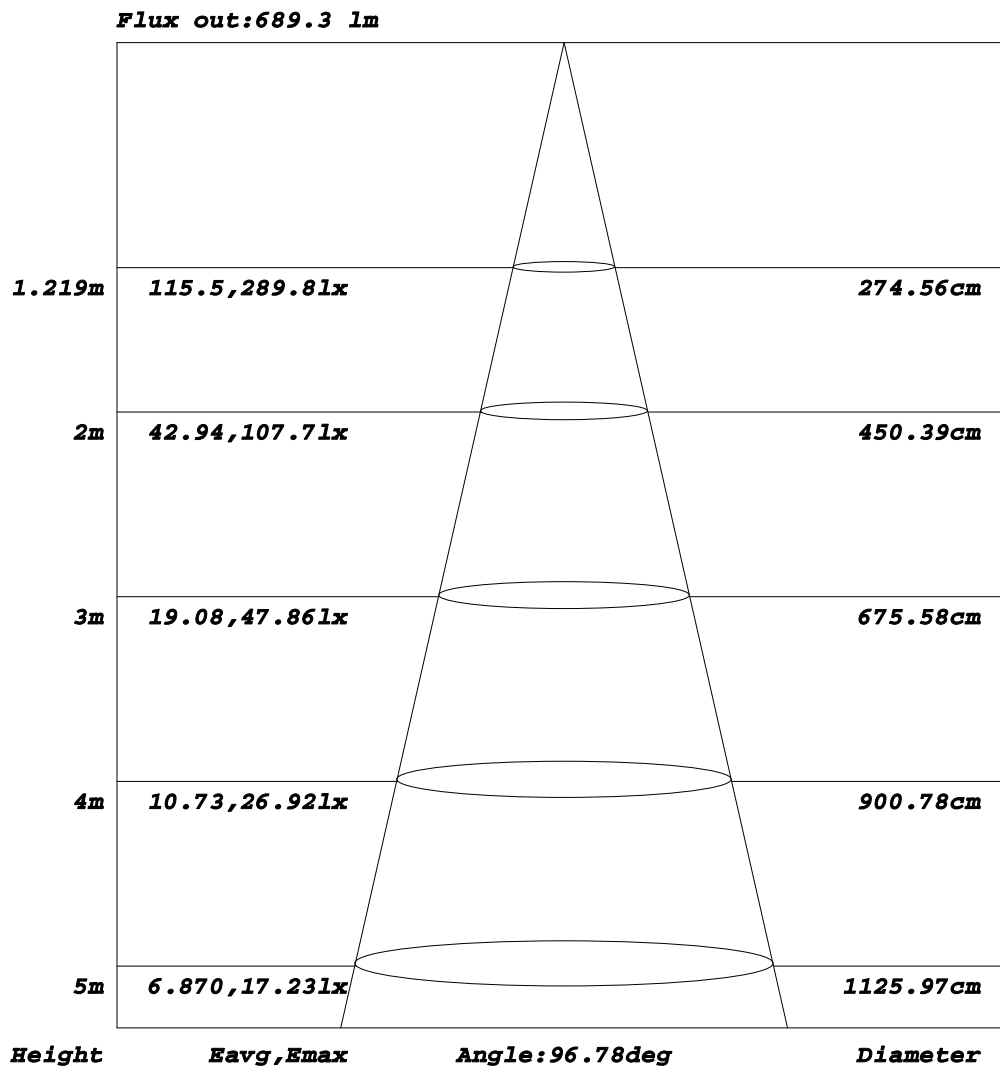
**C Range:** 0 - 360DEG  
**C Interval:** 22.5DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** Ky  
**Test Date:** 27 November 2015

**γ Range:** 0 - 90DEG  
**γ Interval:** 0.5DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
**Humidity:** 65.0%  
**Test Distance:** 7.220m [K=1.0000]  
**Remarks:**



### AAI Figure

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:



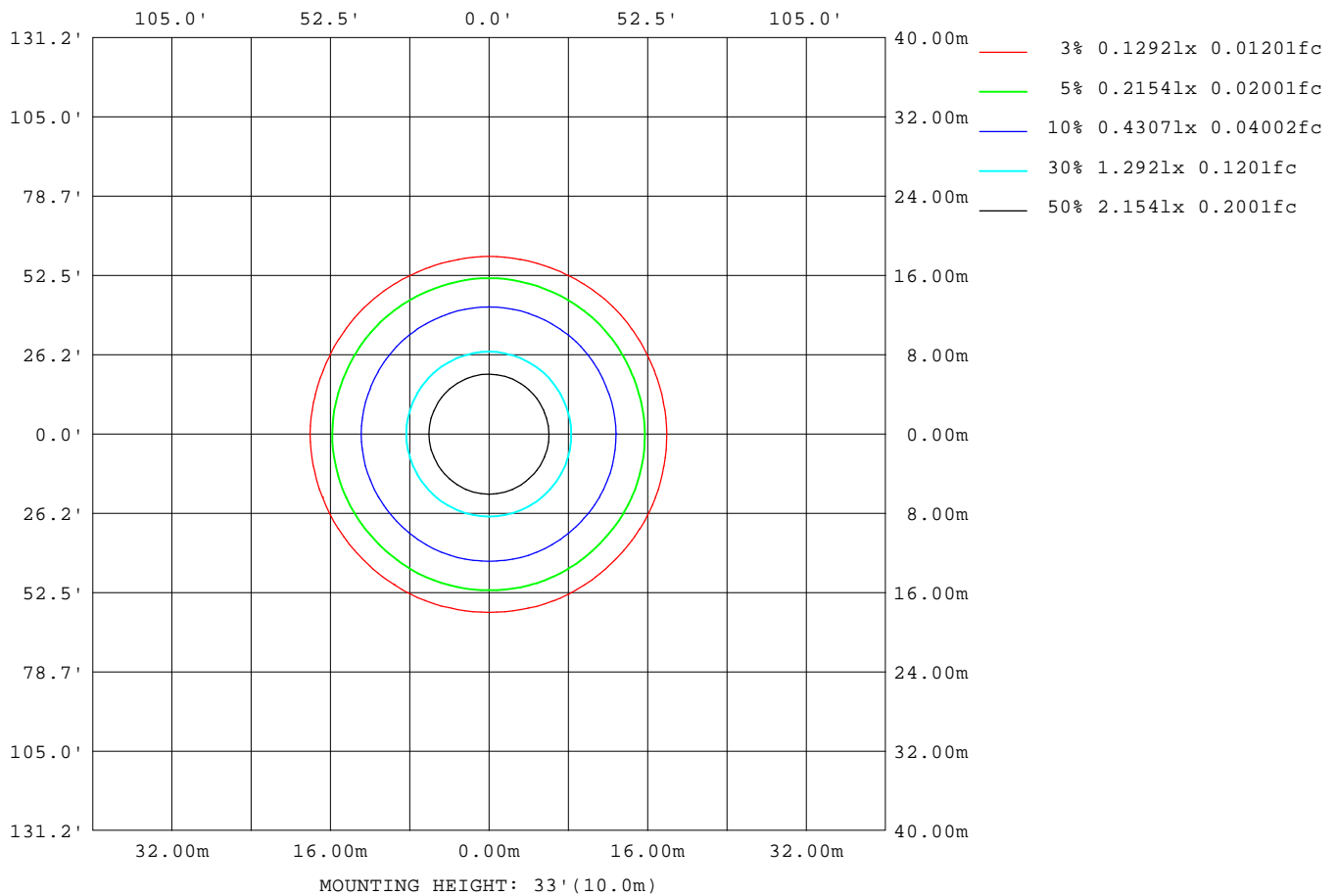
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range:** 0 - 360DEG  
**C Interval:** 22.5DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** Ky  
**Test Date:** 27 November 2015

**γ Range:** 0 - 90DEG  
**γ Interval:** 0.5DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
**Humidity:** 65.0%  
**Test Distance:** 7.220m [K=1.0000]  
**Remarks:**

## ISOLUX DIAGRAM

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx 1m		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Ky**  
**Test Date: 27 November 2015**

**γ Range: 0 - 90DEG**  
**γ Interval: 0.5DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295**  
**Humidity: 65.0%**  
**Test Distance: 7.220m [K=1.0000]**  
**Remarks:**

## LED Avg.L Report

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:

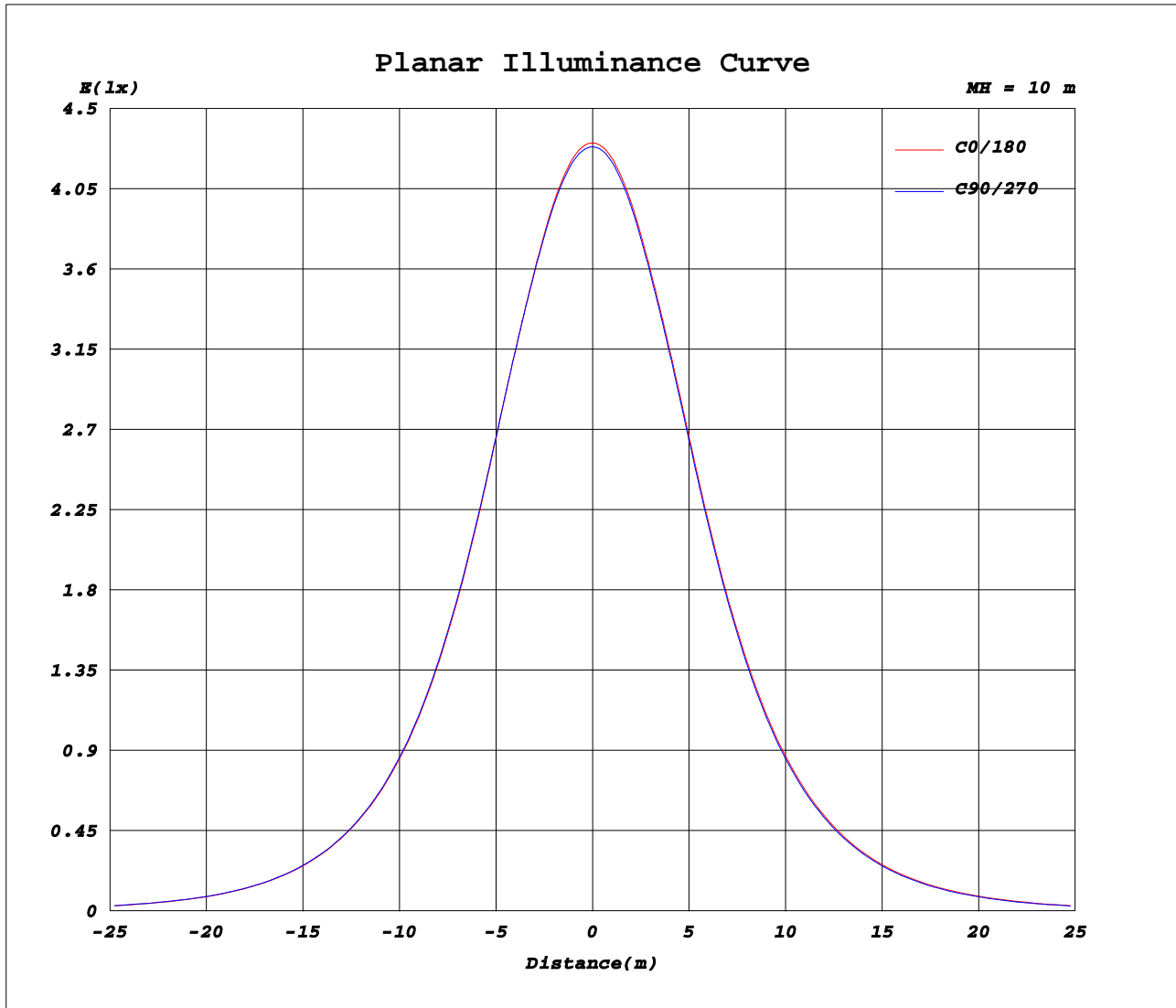
AvgL	cd/m2
L_0~180(65)av	14269
L_0~180(75)av	7557
L_0~180(85)av	6785
L_90~270(65)av	14099
L_90~270(75)av	7387
L_90~270(85)av	8760
L_45(65)av	14207
L_45(75)av	7380
L_45(85)av	8514

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 22.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Ky**  
**Test Date:27 November 2015**

**γ Range: 0 - 90DEG**  
**γ Interval: 0.5DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.295**  
**Humidity:65.0%**  
**Test Distance:7.220m [K=1.0000]**  
**Remarks:**

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Ky  
 Test Date: 27 November 2015

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 7.220m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0774A P:16.92W PF:0.9093 Lamp Flux:978.50lx1 lm		
NAME: DeepC150_WHT_CLE80@700mA_16.9W_4K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Darkon	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Ky  
Test Date: 27 November 2015

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:7.220m [K=1.0000]
Remarks:

```