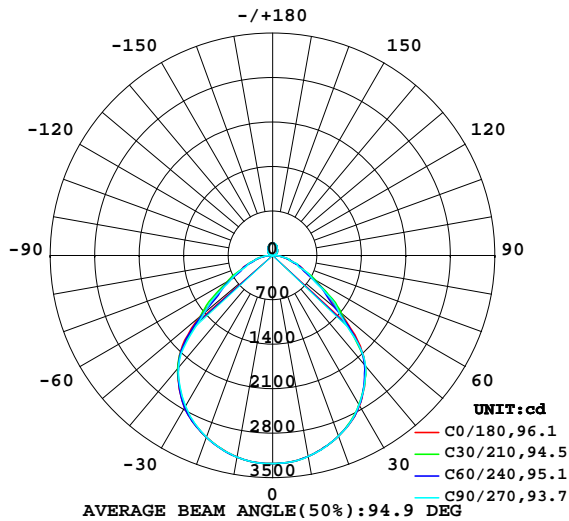


## LUMINAIRE PHOTOMETRIC TEST REPORT

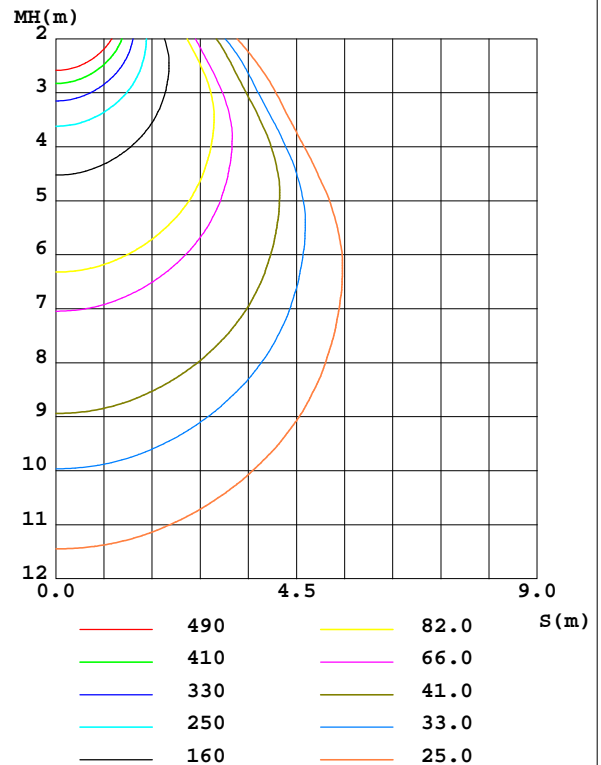
Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 110.83 lm/W
MODEL		Imax(cd)	3278	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	75	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	7968.6	$\eta$ UP,DN(C0-180)	3.2,45.7	
NOMINAL FLUX(lm)	7968.61	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	3.1,48.1	
LAMPS INSIDE	1	$\eta$ up(%)	6.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	229.5	$\eta$ down(%)	93.7	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024-10-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [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
10	3212	3213	3215	3199	3224	3225	3225	3237	0- 10	310.2	310.2	3.89,3.89
20	3029	3028	3030	3005	3046	3049	3045	3070	10- 20	886.3	1197	15,15
30	2734	2721	2720	2690	2774	2762	2743	2794	20- 30	1339	2536	31.8,31.8
40	2266	2263	2276	2209	2318	2321	2310	2361	30- 40	1582	4118	51.7,51.7
50	1366	1353	1353	1325	1497	1458	1407	1521	40- 50	1447	5565	69.8,69.8
60	728.6	739.5	715.0	703.1	800.1	794.2	756.5	827.8	50- 60	948.9	6514	81.7,81.7
70	393.1	399.6	420.3	377.5	425.6	417.2	418.8	431.2	60- 70	555.7	7070	88.7,88.7
80	169.3	178.0	181.1	164.3	191.0	196.2	194.9	217.5	70- 80	303.3	7373	92.5,92.5
90	1.511	1.491	1.466	1.778	4.016	4.829	2.267	13.99	80- 90	96.88	7470	93.7,93.7
100	22.64	22.82	21.83	24.37	19.66	19.31	19.90	17.20	90-100	9.890	7480	93.9,93.9
110	52.11	52.12	51.30	53.54	48.68	48.80	49.50	46.85	100-110	37.94	7518	94.3,94.3
120	77.41	78.41	78.04	79.61	75.52	74.91	75.14	72.75	110-120	62.88	7581	95.1,95.1
130	99.80	101.1	101.3	102.1	98.01	97.76	97.92	95.61	120-130	78.84	7659	96.1,96.1
140	118.0	119.5	120.0	120.2	116.8	116.3	116.6	114.9	130-140	84.04	7743	97.2,97.2
150	148.6	149.3	148.6	150.6	145.5	144.8	144.8	141.4	140-150	80.92	7824	98.2,98.2
160	174.3	175.1	174.8	175.8	173.1	172.9	173.0	170.6	150-160	74.27	7899	99.1,99.1
170	191.0	191.2	190.4	190.8	190.5	189.8	189.3	188.1	160-170	51.51	7950	99.8,99.8
180	199.5	199.1	198.3	198.1	199.5	199.1	198.3	198.1	170-180	18.49	7969	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

**Conical surface Flux(90deg): 4901.1 lm**
**%lum = 61.5%**
**%lamp = 61.5%**
**Conical surface Flux(130deg): 6829.1 lm**
**%lum = 85.7%**
**%lamp = 85.7%**

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:2024-10-12**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.100m [K=1.0000]**  
**Remarks:**

## LUMINANCE LIMITATION CURVES

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz  
Lamp Flux:7968.61x1 lm

NAME: LED348 (75W 3000K Uplight On)

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

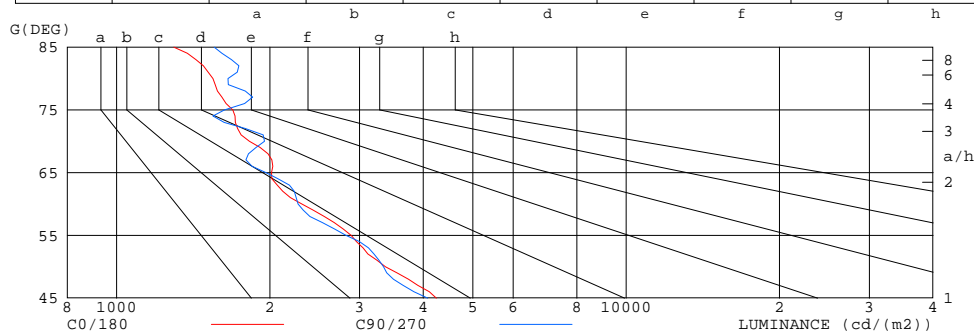
MFR.:

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	1295	1554
80	1547	1655
75	1691	1630
70	1824	1951
65	2015	1964
60	2313	2270
55	2887	2821
50	3372	3343
45	4245	4078

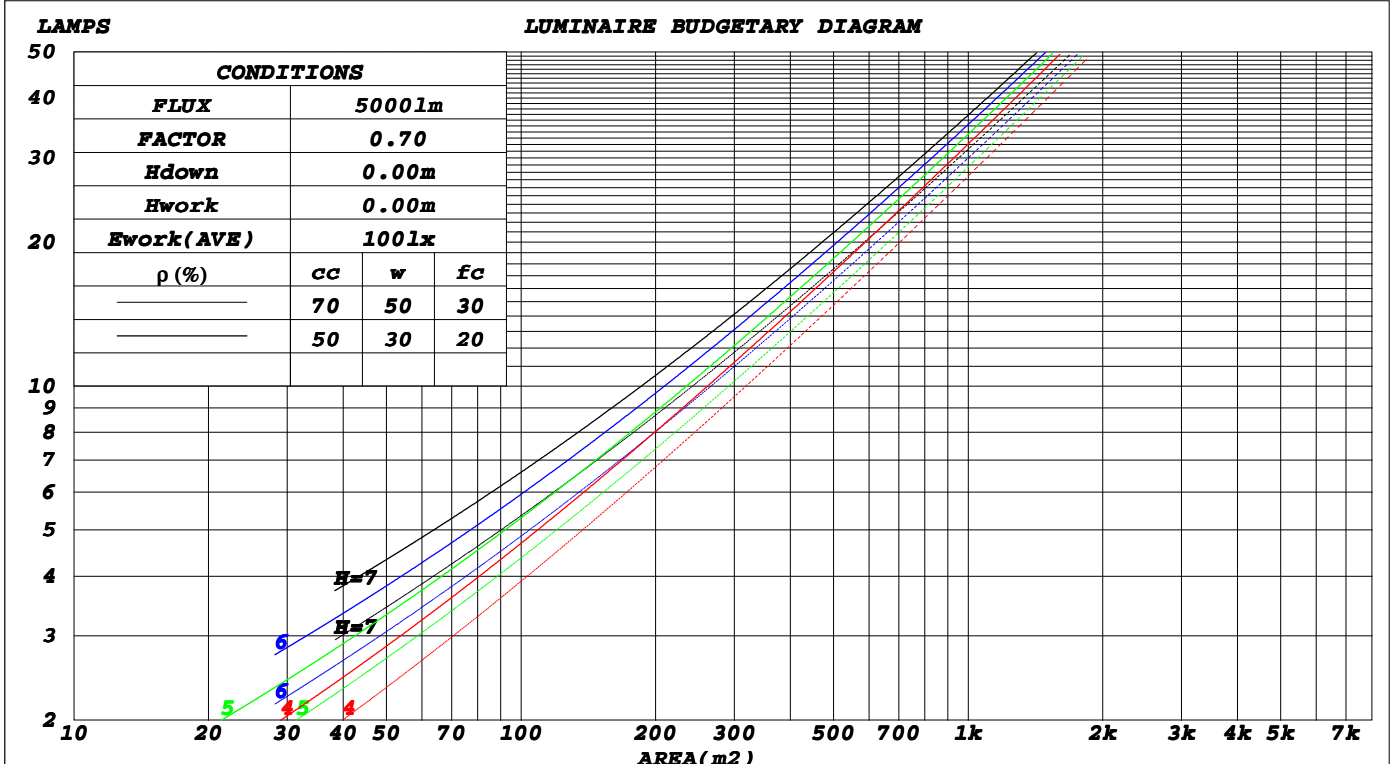
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024-10-12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.94
1.0	1.04	1.01	.97	1.02	.98	.95	.96	.94	.91	.91	.89	.87	.87	.85	.84	.81
2.0	.93	.87	.82	.90	.85	.80	.86	.81	.77	.82	.78	.75	.78	.75	.72	.70
3.0	.83	.75	.69	.81	.74	.68	.77	.71	.66	.73	.69	.65	.70	.66	.63	.60
4.0	.74	.66	.60	.72	.65	.59	.69	.63	.58	.66	.61	.56	.63	.59	.55	.53
5.0	.67	.58	.52	.65	.58	.52	.62	.56	.51	.60	.54	.50	.58	.53	.49	.46
6.0	.60	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.53	.47	.43	.41
7.0	.55	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.39	.48	.43	.39	.37
8.0	.50	.42	.37	.50	.42	.37	.48	.41	.36	.46	.40	.36	.44	.39	.35	.33
9.0	.46	.39	.33	.46	.38	.33	.44	.37	.33	.43	.37	.32	.41	.36	.32	.30
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.38	.33	.29	.27



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2024-10-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm					
NAME: LED348 (75W 3000K Uplight On)			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			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	.270	.153	.049	.261	.149	.047	.244	.140	.045	.229	.132	.042	.215	.125	.040															
2.0	.256	.140	.043	.248	.137	.042	.234	.130	.040	.220	.123	.039	.208	.117	.037															
3.0	.240	.128	.038	.233	.125	.038	.220	.119	.036	.208	.114	.035	.197	.109	.034															
4.0	.224	.116	.034	.218	.114	.034	.206	.109	.033	.195	.105	.032	.185	.101	.031															
5.0	.209	.107	.031	.204	.105	.030	.193	.101	.030	.184	.097	.029	.174	.093	.028															
6.0	.196	.098	.028	.191	.096	.028	.181	.093	.027	.173	.090	.026	.164	.087	.026															
7.0	.184	.091	.026	.179	.089	.025	.171	.086	.025	.163	.083	.024	.155	.081	.024															
8.0	.173	.084	.024	.169	.083	.023	.161	.080	.023	.154	.078	.022	.147	.075	.022															
9.0	.163	.079	.022	.159	.078	.022	.152	.075	.021	.145	.073	.021	.139	.071	.020															
10.0	.154	.074	.020	.151	.073	.020	.144	.071	.020	.138	.069	.019	.132	.066	.019															

$\rho_{cc}$	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	.238	.238	.238	.204	.204	.204	.139	.139	.139	.080	.080	.080	.026	.026	.026	
1.0	.226	.205	.186	.193	.176	.160	.132	.121	.110	.076	.070	.064	.024	.023	.021	
2.0	.216	.180	.151	.185	.155	.130	.127	.107	.091	.073	.063	.053	.023	.020	.017	
3.0	.207	.163	.127	.178	.140	.110	.122	.098	.077	.070	.057	.046	.023	.018	.015	
4.0	.200	.149	.111	.171	.129	.096	.118	.090	.068	.068	.053	.040	.022	.017	.013	
5.0	.192	.139	.099	.165	.120	.086	.114	.084	.061	.066	.049	.036	.021	.016	.012	
6.0	.185	.130	.091	.159	.113	.079	.110	.079	.056	.064	.046	.033	.021	.015	.011	
7.0	.179	.124	.085	.154	.107	.074	.106	.075	.052	.062	.044	.031	.020	.014	.010	
8.0	.173	.118	.080	.149	.102	.070	.103	.072	.049	.060	.042	.029	.019	.014	.010	
9.0	.167	.113	.076	.144	.098	.066	.100	.069	.047	.058	.041	.028	.019	.013	.009	
10.0	.162	.109	.073	.140	.094	.064	.097	.066	.045	.057	.039	.027	.018	.013	.009	

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3°C  
**Operators:** Mr.Ma  
**Test Date:** 2024-10-12

**$\gamma$  Range:** 0 - 180DEG  
 **$\gamma$  Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
**Humidity:** 65.0%  
**Test Distance:** 6.100m [K=1.0000]  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm										
NAME: LED348 (75W 3000K Uplight On)					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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>8.5</b>	<b>9.8</b>	<b>8.8</b>	<b>10.1</b>	<b>10.4</b>	<b>8.2</b>	<b>9.5</b>	<b>8.6</b>	<b>9.8</b>	<b>10.1</b>
<b>3H</b>	<b>9.2</b>	<b>10.4</b>	<b>9.6</b>	<b>10.7</b>	<b>11.1</b>	<b>9.0</b>	<b>10.2</b>	<b>9.4</b>	<b>10.5</b>	<b>10.9</b>
<b>4H</b>	<b>9.5</b>	<b>10.6</b>	<b>9.9</b>	<b>11.0</b>	<b>11.3</b>	<b>9.3</b>	<b>10.4</b>	<b>9.7</b>	<b>10.8</b>	<b>11.1</b>
<b>6H</b>	<b>9.7</b>	<b>10.8</b>	<b>10.1</b>	<b>11.2</b>	<b>11.6</b>	<b>9.6</b>	<b>10.7</b>	<b>10.0</b>	<b>11.0</b>	<b>11.4</b>
<b>8H</b>	<b>9.8</b>	<b>10.8</b>	<b>10.2</b>	<b>11.2</b>	<b>11.6</b>	<b>9.7</b>	<b>10.8</b>	<b>10.2</b>	<b>11.1</b>	<b>11.5</b>
<b>12H</b>	<b>9.9</b>	<b>10.8</b>	<b>10.3</b>	<b>11.2</b>	<b>11.7</b>	<b>9.8</b>	<b>10.8</b>	<b>10.2</b>	<b>11.2</b>	<b>11.6</b>
<b>4H 2H</b>	<b>8.7</b>	<b>9.8</b>	<b>9.1</b>	<b>10.2</b>	<b>10.5</b>	<b>8.5</b>	<b>9.6</b>	<b>8.9</b>	<b>10.0</b>	<b>10.3</b>
<b>3H</b>	<b>9.6</b>	<b>10.6</b>	<b>10.0</b>	<b>11.0</b>	<b>11.4</b>	<b>9.4</b>	<b>10.4</b>	<b>9.9</b>	<b>10.8</b>	<b>11.2</b>
<b>4H</b>	<b>10.0</b>	<b>10.9</b>	<b>10.5</b>	<b>11.3</b>	<b>11.8</b>	<b>9.9</b>	<b>10.8</b>	<b>10.3</b>	<b>11.2</b>	<b>11.6</b>
<b>6H</b>	<b>10.4</b>	<b>11.2</b>	<b>10.9</b>	<b>11.7</b>	<b>12.1</b>	<b>10.3</b>	<b>11.1</b>	<b>10.8</b>	<b>11.6</b>	<b>12.0</b>
<b>8H</b>	<b>10.6</b>	<b>11.3</b>	<b>11.1</b>	<b>11.8</b>	<b>12.3</b>	<b>10.5</b>	<b>11.2</b>	<b>11.0</b>	<b>11.7</b>	<b>12.2</b>
<b>12H</b>	<b>10.6</b>	<b>11.3</b>	<b>11.2</b>	<b>11.8</b>	<b>12.3</b>	<b>10.6</b>	<b>11.3</b>	<b>11.1</b>	<b>11.8</b>	<b>12.3</b>
<b>8H 4H</b>	<b>10.2</b>	<b>10.9</b>	<b>10.7</b>	<b>11.4</b>	<b>11.9</b>	<b>10.0</b>	<b>10.7</b>	<b>10.5</b>	<b>11.2</b>	<b>11.7</b>
<b>6H</b>	<b>10.7</b>	<b>11.3</b>	<b>11.2</b>	<b>11.8</b>	<b>12.4</b>	<b>10.6</b>	<b>11.2</b>	<b>11.1</b>	<b>11.7</b>	<b>12.3</b>
<b>8H</b>	<b>10.9</b>	<b>11.5</b>	<b>11.5</b>	<b>12.0</b>	<b>12.6</b>	<b>10.9</b>	<b>11.4</b>	<b>11.4</b>	<b>11.9</b>	<b>12.5</b>
<b>12H</b>	<b>11.1</b>	<b>11.5</b>	<b>11.7</b>	<b>12.1</b>	<b>12.7</b>	<b>11.1</b>	<b>11.5</b>	<b>11.6</b>	<b>12.1</b>	<b>12.7</b>
<b>12H 4H</b>	<b>10.2</b>	<b>10.8</b>	<b>10.7</b>	<b>11.3</b>	<b>11.8</b>	<b>10.0</b>	<b>10.7</b>	<b>10.5</b>	<b>11.2</b>	<b>11.7</b>
<b>6H</b>	<b>10.7</b>	<b>11.3</b>	<b>11.3</b>	<b>11.8</b>	<b>12.4</b>	<b>10.6</b>	<b>11.2</b>	<b>11.2</b>	<b>11.7</b>	<b>12.3</b>
<b>8H</b>	<b>11.0</b>	<b>11.5</b>	<b>11.6</b>	<b>12.0</b>	<b>12.6</b>	<b>10.9</b>	<b>11.4</b>	<b>11.5</b>	<b>11.9</b>	<b>12.6</b>
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	<b>+ 0.4 / - 0.4</b>					<b>+ 0.5 / - 0.6</b>				
<b>1.5H</b>	<b>+ 0.3 / - 0.5</b>					<b>+ 0.2 / - 0.2</b>				
<b>2.0H</b>	<b>+ 0.9 / - 0.7</b>					<b>+ 1.0 / - 0.8</b>				

CIE Pub.117, 7969 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 7.2$ )  
 Area: 0.63 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:Mr.Ma  
 Test Date:2024-10-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
 Humidity:65.0%  
 Test Distance:6.100m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

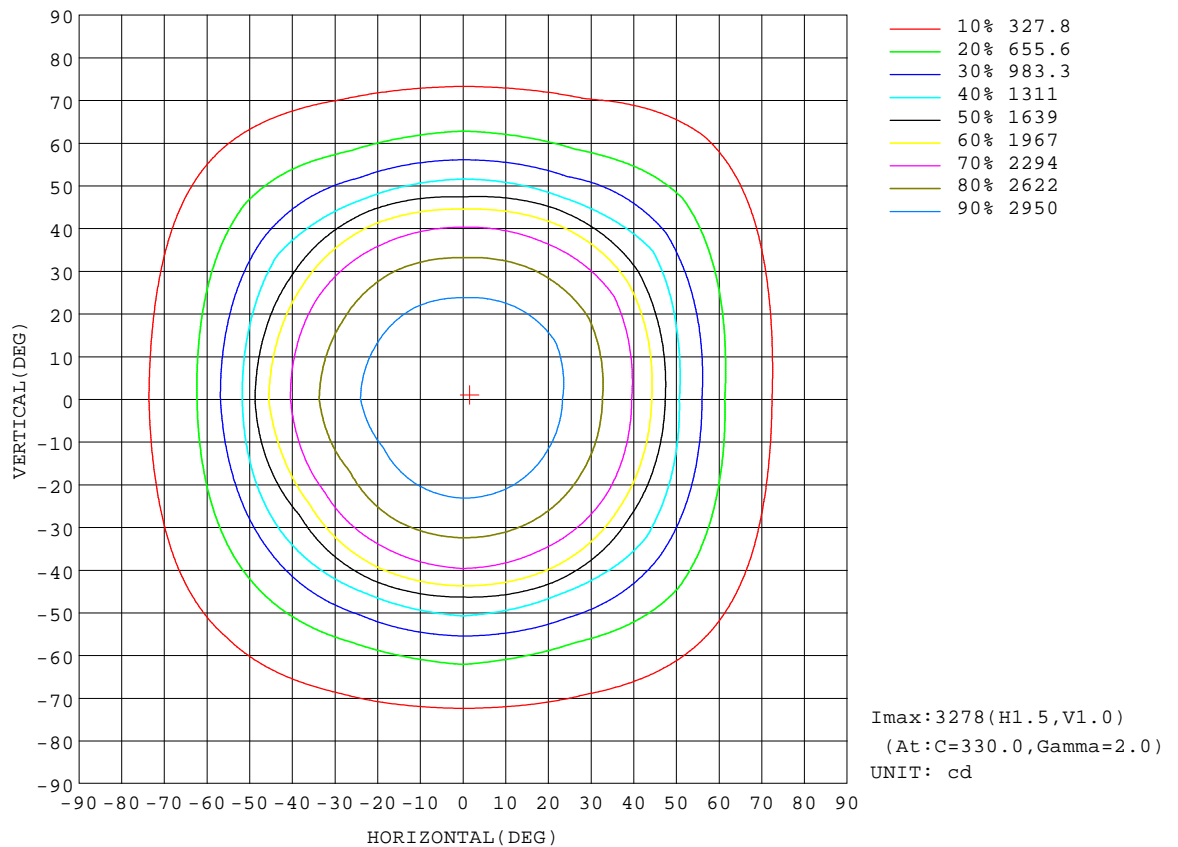
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	51	45	60	50	44	59	50	44	38
0.80	71	61	54	70	60	54	68	59	53	47
1.00	79	70	63	78	69	63	75	69	62	55
1.25	86	77	71	84	76	70	81	74	69	61
1.50	91	82	76	89	81	75	85	78	73	66
2.00	97	89	84	95	88	83	90	85	80	72
2.50	100	93	88	98	91	87	93	88	84	75
3.00	103	97	92	100	95	91	96	91	88	78
4.00	106	101	97	104	99	95	98	95	92	81
5.00	108	104	101	106	102	98	100	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3°C  
**Operators:** Mr.Ma  
**Test Date:** 2024-10-12

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
**Humidity:** 65.0%  
**Test Distance:** 6.100m [K=1.0000]  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



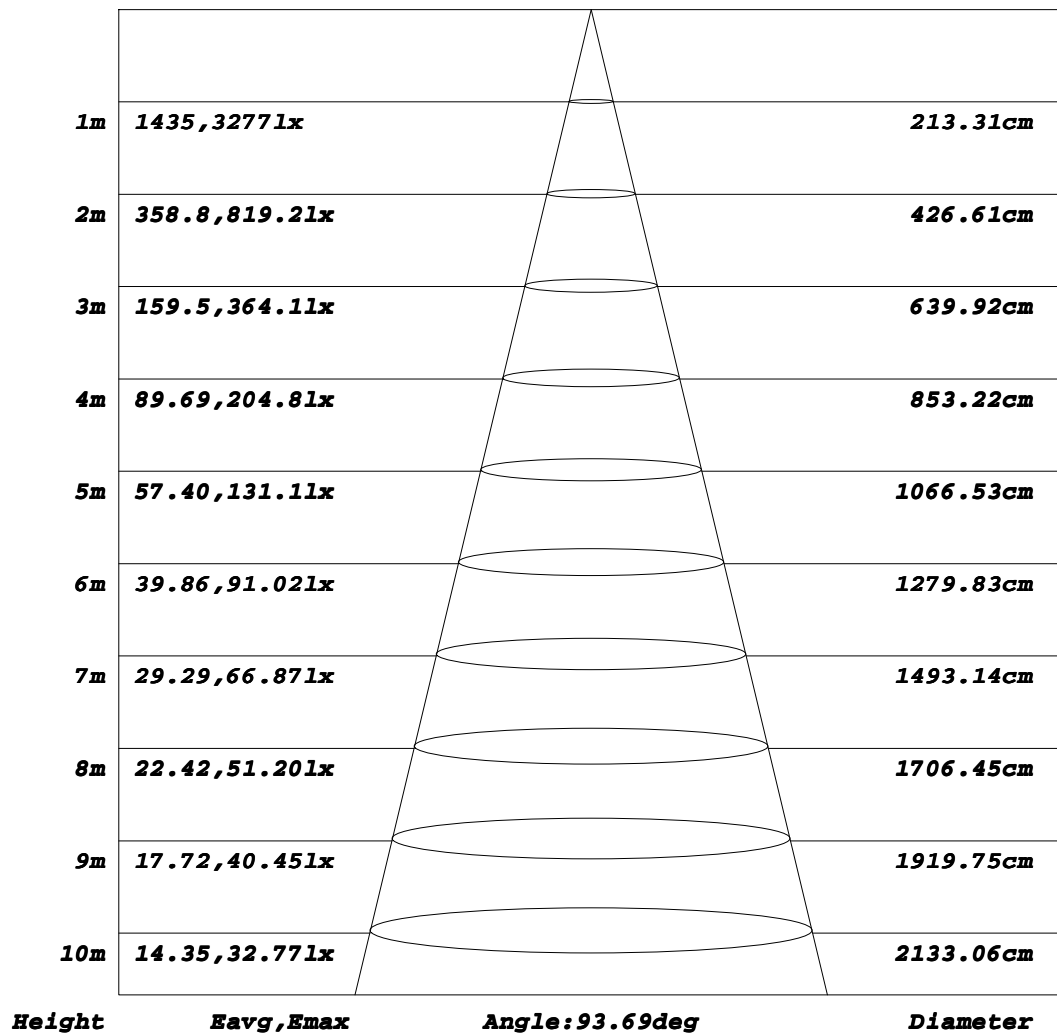
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr.Ma**  
**Test Date: 2024-10-12**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity: 65.0%**  
**Test Distance: 6.100m [K=1.0000]**  
**Remarks:**



**AAI Figure**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.6lx1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

**Flux out:5185 lm**


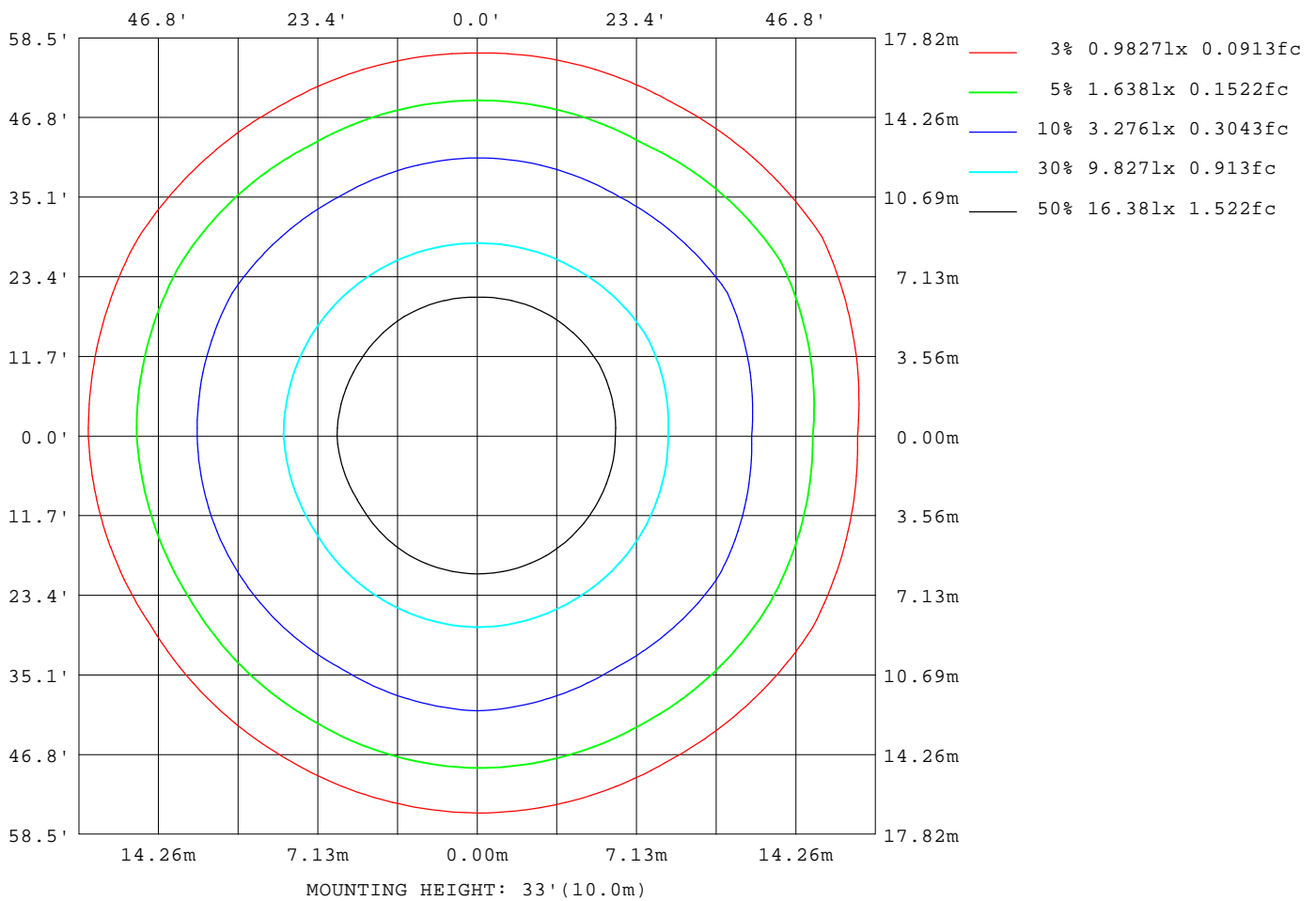
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3°C  
**Operators:** Mr.Ma  
**Test Date:** 2024-10-12

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
**Humidity:** 65.0%  
**Test Distance:** 6.100m [K=1.0000]  
**Remarks:**

**ISOLUX DIAGRAM**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr. Ma**  
**Test Date: 2024-10-12**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity: 65.0%**  
**Test Distance: 6.100m [K=1.0000]**  
**Remarks:**

### LED Avg.L Report

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm		
NAME: LED348 (75W 3000K Uplight On)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

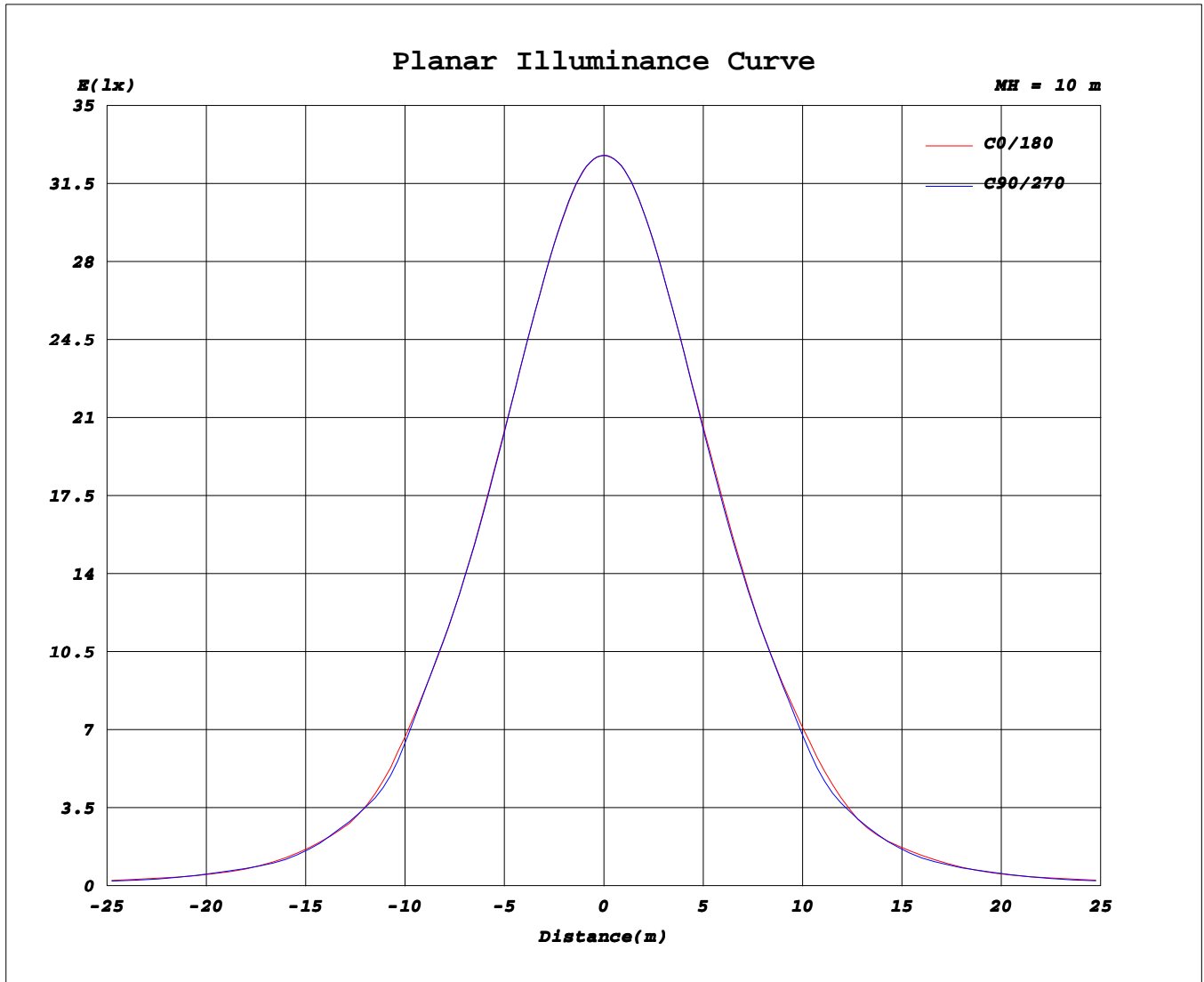
AvgL	cd/m2
L_0~180(65)av	2048
L_0~180(75)av	1749
L_0~180(85)av	1484
L_90~270(65)av	2020
L_90~270(75)av	1684
L_90~270(85)av	1706
L_45(65)av	2073
L_45(75)av	1727
L_45(85)av	1583

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3℃**  
**Operators:Mr.Ma**  
**Test Date:2024-10-12**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.100m [K=1.0000]**  
**Remarks:**

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr. Ma  
Test Date: 2024-10-12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:229.26V I:0.3207A P:71.900W PF:0.9779 Freq:50.00Hz Lamp Flux:7968.61x1 lm																	
NAME: LED348 (75W 3000K Uplight On)									TYPE:			WEIGHT:					
SPEC.:									DIM.:			SERIAL No.:					
MFR.:									SUR.:			Shielding Angle:					

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3276	3276	3276	3276	3276	3276	3276	3276	3276	3276	3276	3276						
5	3263	3264	3265	3265	3260	3254	3268	3268	3268	3268	3271	3274						
10	3212	3213	3214	3215	3205	3194	3224	3225	3226	3225	3232	3242						
15	3132	3132	3132	3135	3121	3106	3147	3149	3151	3147	3160	3173						
20	3029	3027	3029	3030	3015	2995	3046	3048	3049	3045	3061	3079						
25	2901	2892	2900	2898	2884	2853	2925	2919	2927	2914	2942	2958						
30	2734	2716	2726	2720	2711	2669	2774	2752	2772	2743	2789	2800						
35	2522	2512	2509	2514	2488	2460	2566	2553	2563	2543	2582	2606						
40	2266	2275	2251	2276	2221	2196	2318	2332	2309	2310	2332	2391						
45	1891	1809	1856	1816	1810	1709	2011	1958	1977	1913	2008	2076						
50	1366	1412	1294	1353	1283	1366	1497	1484	1431	1407	1472	1570						
55	1043	1073	995	1019	961	992	1069	1154	1015	1062	1031	1242						
60	729	780	699	715	688	718	800	826	762	756	779	877						
65	537	523	521	523	525	503	554	599	539	553	546	649						
70	393	420	379	420	372	383	426	420	414	419	423	439						
75	276	282	275	266	259	261	295	281	288	284	288	318						
80	169	182	174	181	167	162	191	200	192	195	198	237						
85	71.1	78.6	72.1	85.3	64.8	56.2	91.8	105	91.3	102	97.7	131						
90	1.51	1.49	1.49	1.47	1.59	1.97	4.02	4.86	4.80	2.27	7.55	20.4						
95	9.07	9.25	8.93	8.49	9.86	11.7	6.39	6.27	6.15	6.71	5.58	4.30						
100	22.6	22.8	22.8	21.8	23.3	25.4	19.7	19.4	19.2	19.9	18.1	16.4						
105	38.2	38.2	38.2	37.2	39.0	41.1	34.2	34.4	34.1	35.0	32.8	30.9						
110	52.1	52.2	52.0	51.3	52.7	54.4	48.7	49.0	48.6	49.5	48.0	45.7						
115	65.1	66.1	65.1	65.1	65.3	68.7	62.5	61.9	61.9	62.4	60.5	58.4						
120	77.4	79.2	77.6	78.0	77.7	81.5	75.5	74.7	75.2	75.1	74.2	71.3						
125	89.1	91.2	89.5	90.1	89.4	93.3	87.2	86.5	87.1	87.0	85.8	83.3						
130	99.8	102	100	101	100	104	98.0	97.3	98.3	97.9	96.8	94.4						
135	109	112	110	111	110	114	108	107	108	108	107	105						
140	118	121	118	120	118	122	117	116	117	117	116	114						
145	128	129	129	129	129	132	126	126	125	127	125	124						
150	149	149	149	149	150	151	145	145	144	145	143	140						
155	163	164	163	163	164	165	161	161	160	161	159	157						
160	174	175	175	175	175	176	173	173	173	173	171	170						
165	184	185	184	184	185	184	183	182	182	182	181	179						
170	191	191	192	190	191	190	190	190	190	189	189	187						
175	197	196	197	195	196	195	196	195	196	195	195	193						
180	200	199	200	198	199	197	200	199	200	198	199	197						

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr.Ma**  
**Test Date: 2024-10-12**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity: 65.0%**  
**Test Distance: 6.100m [K=1.0000]**  
**Remarks:**