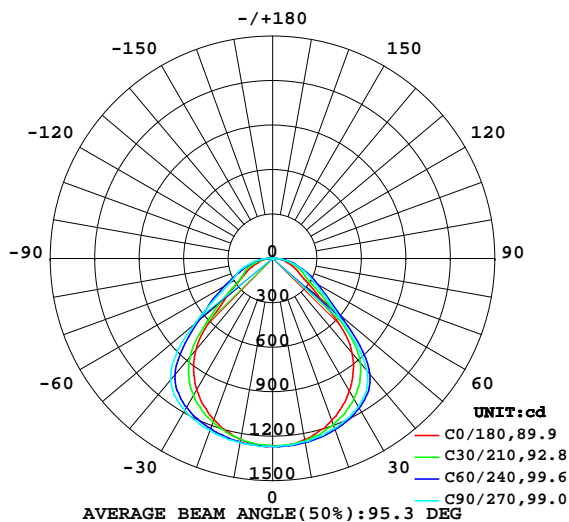


**LUMINAIRE PHOTOMETRIC TEST REPORT**

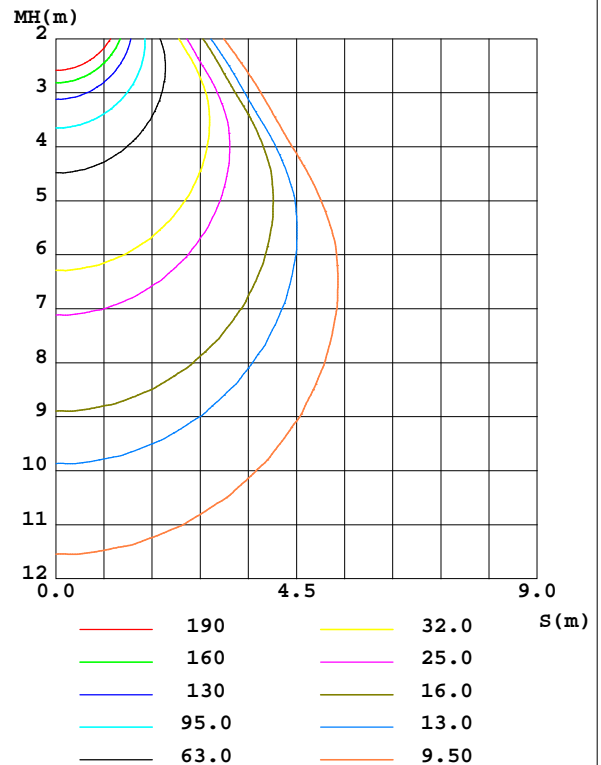
Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 103.92 lm/W
MODEL		Imax(cd)	1273	S/MH(C0/180)	1.21	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.39	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2960.2	$\eta$ UP,DN(C0-180)	0.3,48.3	
NOMINAL FLUX(lm)	2960.23	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.3,51.1	
LAMPS INSIDE	1	$\eta$ up(%)	0.6	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	229.3	$\eta$ down(%)	99.4	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:20 February 2024**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.700m [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	1242	1257	1255	1237	1241	1250	1260	1255	0- 10	120.1	120.1	4.06,4.06
20	1164	1214	1220	1160	1160	1200	1235	1199	10- 20	346.3	466.5	15.8,15.8
30	1035	1133	1156	1034	1025	1114	1184	1098	20- 30	530.5	997.0	33.7,33.7
40	834.4	972.4	991.7	796.5	808.9	945.7	1069	935.1	30- 40	637.4	1634	55.2,55.2
50	420.2	555.5	553.9	394.6	408.7	554.1	688.5	548.6	40- 50	556.9	2191	74,74
60	213.3	308.6	324.5	231.2	223.9	305.2	337.4	277.1	50- 60	337.1	2528	85.4,85.4
70	134.0	198.7	204.4	144.0	132.4	193.7	235.3	180.2	60- 70	224.5	2753	93,93
80	73.25	104.1	96.53	67.19	73.30	104.6	126.1	101.0	70- 80	140.7	2894	97.7,97.7
90	0.4499	0.6088	0.6748	0.4965	0.5496	0.7294	10.28	11.39	80- 90	49.77	2943	99.4,99.4
100	0.6433	0.8876	1.102	0.8047	0.7427	0.9767	1.043	0.7814	90-100	0.9614	2944	99.5,99.5
110	1.036	1.454	1.764	1.403	1.106	1.550	1.556	1.154	100-110	1.167	2945	99.5,99.5
120	1.848	2.268	2.543	2.361	1.909	2.366	2.229	1.882	110-120	1.745	2947	99.6,99.6
130	3.026	3.227	3.477	3.432	3.040	3.281	3.098	2.857	120-130	2.398	2950	99.6,99.6
140	4.058	4.179	4.456	4.335	3.936	4.179	4.070	3.790	130-140	2.829	2952	99.7,99.7
150	5.058	5.139	5.315	5.088	4.700	4.975	4.966	4.774	140-150	2.858	2955	99.8,99.8
160	6.212	5.976	6.007	5.873	5.631	5.751	5.757	5.809	150-160	2.505	2958	99.9,99.9
170	7.150	6.551	6.506	6.538	6.532	6.406	6.380	6.645	160-170	1.757	2960	100,100
180	7.345	6.884	6.780	7.031	7.343	6.894	6.790	7.026	170-180	0.6425	2960	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

**Conical surface Flux(90deg): 1941.9 lm**
**%lum = 65.6%**
**%lamp = 65.6%**
**Conical surface Flux(130deg): 2650.3 lm**
**%lum = 89.5%**
**%lamp = 89.5%**

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3℃**  
**Operators:Mr.Ma**  
**Test Date:20 February 2024**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.700m [K=1.0000]**  
**Remarks:**

## LUMINANCE LIMITATION CURVES

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz  
Lamp Flux:2960.23x1 lm

NAME: Verso 1500 30W WW

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

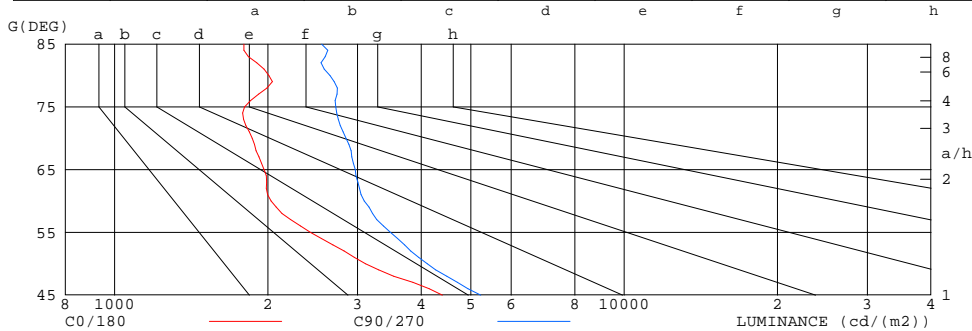
MFR.: PURATI PTY LTD

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	1795	2549
80	2007	2649
75	1799	2718
70	1864	2848
65	1965	2970
60	2030	3092
55	2424	3481
50	3110	4107
45	4397	5235

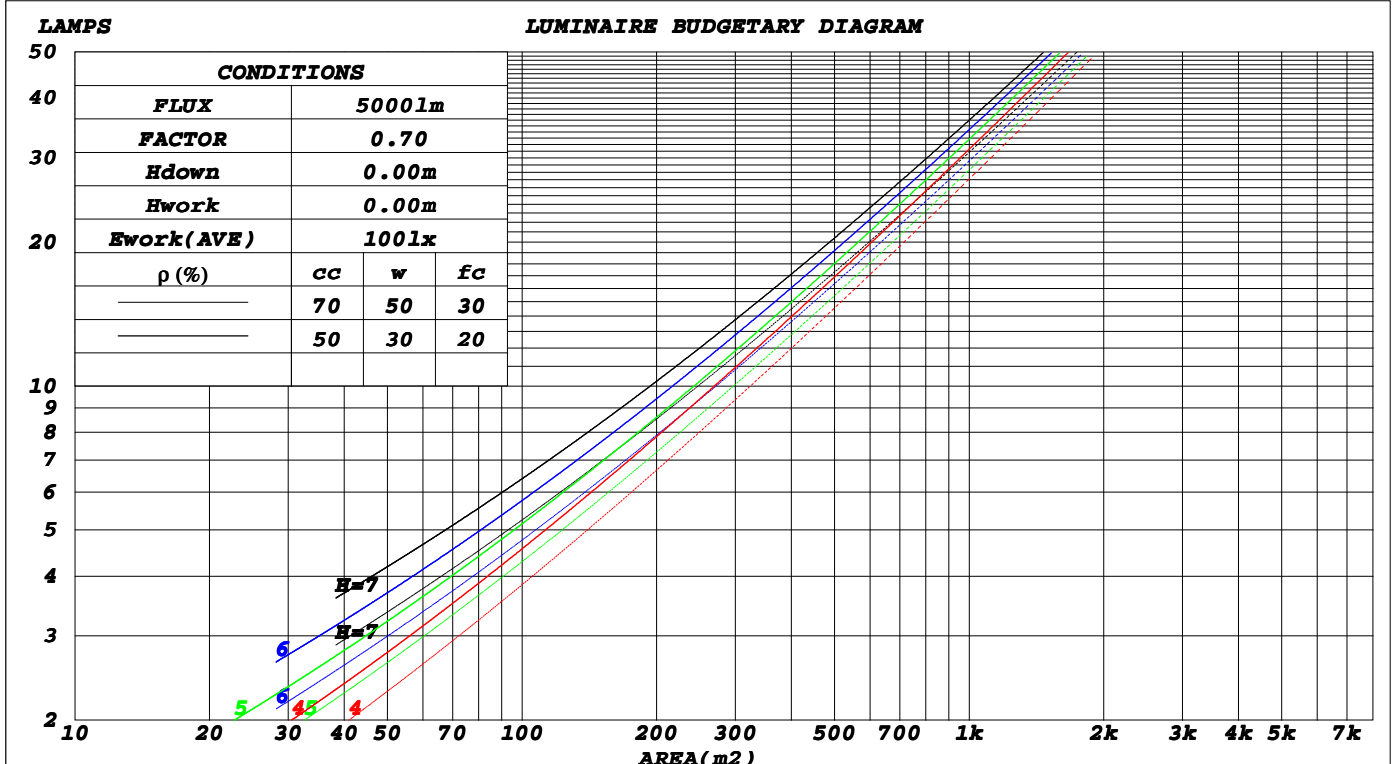
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:Mr.Ma  
Test Date:20 February 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:6.700m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	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	.99
1.0	1.05	1.02	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.87	.82	.92	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.76	.73
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.73	.69	.66	.64
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.69	.63	.58	.66	.62	.58	.56
5.0	.67	.59	.53	.66	.59	.53	.64	.57	.52	.62	.56	.52	.60	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.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	.38	.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	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 20 February 2024

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.700m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	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	.277	.158	.050	.270	.154	.049	.257	.147	.047	.244	.141	.045	.233	.135	.044															
2.0	.261	.143	.044	.255	.140	.043	.243	.135	.042	.232	.130	.041	.222	.126	.040															
3.0	.244	.130	.039	.238	.128	.038	.228	.123	.038	.218	.120	.037	.209	.116	.036															
4.0	.227	.118	.035	.222	.116	.034	.213	.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	.180	.094	.027	.174	.091	.027															
7.0	.185	.092	.026	.182	.091	.026	.176	.089	.026	.169	.087	.025	.164	.085	.025															
8.0	.174	.085	.024	.171	.084	.024	.165	.083	.024	.160	.081	.023	.155	.080	.023															
9.0	.164	.079	.022	.162	.079	.022	.156	.077	.022	.151	.076	.022	.147	.075	.022															
10.0	.155	.074	.021	.153	.074	.021	.148	.073	.020	.144	.071	.020	.139	.070	.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	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.182	.161	.141	.156	.138	.122	.107	.095	.084	.061	.055	.049	.020	.018	.016	
2.0	.173	.136	.106	.148	.117	.092	.101	.081	.064	.058	.047	.038	.019	.015	.012	
3.0	.164	.119	.082	.140	.102	.071	.096	.071	.050	.056	.041	.030	.018	.013	.010	
4.0	.156	.105	.066	.134	.091	.057	.092	.063	.040	.053	.037	.024	.017	.012	.008	
5.0	.148	.094	.054	.127	.082	.047	.088	.057	.033	.051	.033	.020	.016	.011	.007	
6.0	.141	.086	.046	.121	.074	.040	.084	.052	.028	.049	.031	.017	.016	.010	.006	
7.0	.135	.079	.040	.116	.068	.034	.080	.048	.024	.047	.028	.015	.015	.009	.005	
8.0	.129	.073	.035	.111	.063	.030	.077	.044	.021	.045	.026	.013	.014	.009	.004	
9.0	.123	.068	.031	.106	.059	.027	.073	.041	.019	.043	.025	.011	.014	.008	.004	
10.0	.118	.064	.028	.101	.055	.024	.070	.039	.017	.041	.023	.010	.013	.008	.003	

**C Range: 0 - 360DEG**
**C Interval: 30.0DEG**
**Test Speed: HIGH**
**Temperature:25.3°C**
**Operators:Mr.Ma**
**Test Date:20 February 2024**
 **$\gamma$  Range: 0 - 180DEG**
 **$\gamma$  Interval: 1.0DEG**
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**
**Humidity:65.0%**
**Test Distance:6.700m [K=1.0000]**
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm										
NAME: Verso 1500 30W WW					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: PURATI PTY LTD					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>12.1</b>	<b>13.4</b>	<b>12.3</b>	<b>13.6</b>	<b>13.9</b>	<b>13.5</b>	<b>14.9</b>	<b>13.7</b>	<b>15.1</b>	<b>15.3</b>
<b>3H</b>	<b>12.9</b>	<b>14.2</b>	<b>13.2</b>	<b>14.4</b>	<b>14.6</b>	<b>14.5</b>	<b>15.8</b>	<b>14.8</b>	<b>16.1</b>	<b>16.3</b>
<b>4H</b>	<b>13.3</b>	<b>14.5</b>	<b>13.6</b>	<b>14.7</b>	<b>15.0</b>	<b>15.0</b>	<b>16.2</b>	<b>15.3</b>	<b>16.5</b>	<b>16.8</b>
<b>6H</b>	<b>13.7</b>	<b>14.8</b>	<b>14.0</b>	<b>15.1</b>	<b>15.4</b>	<b>15.5</b>	<b>16.6</b>	<b>15.8</b>	<b>16.9</b>	<b>17.2</b>
<b>8H</b>	<b>13.8</b>	<b>14.9</b>	<b>14.2</b>	<b>15.2</b>	<b>15.5</b>	<b>15.6</b>	<b>16.7</b>	<b>16.0</b>	<b>17.0</b>	<b>17.3</b>
<b>12H</b>	<b>13.9</b>	<b>15.0</b>	<b>14.3</b>	<b>15.3</b>	<b>15.6</b>	<b>15.7</b>	<b>16.8</b>	<b>16.1</b>	<b>17.1</b>	<b>17.4</b>
<b>4H 2H</b>	<b>12.6</b>	<b>13.8</b>	<b>12.9</b>	<b>14.1</b>	<b>14.3</b>	<b>13.8</b>	<b>15.0</b>	<b>14.1</b>	<b>15.2</b>	<b>15.5</b>
<b>3H</b>	<b>13.7</b>	<b>14.8</b>	<b>14.1</b>	<b>15.1</b>	<b>15.4</b>	<b>15.1</b>	<b>16.2</b>	<b>15.5</b>	<b>16.5</b>	<b>16.8</b>
<b>4H</b>	<b>14.3</b>	<b>15.2</b>	<b>14.7</b>	<b>15.6</b>	<b>15.9</b>	<b>15.8</b>	<b>16.7</b>	<b>16.1</b>	<b>17.1</b>	<b>17.4</b>
<b>6H</b>	<b>14.8</b>	<b>15.7</b>	<b>15.2</b>	<b>16.1</b>	<b>16.4</b>	<b>16.4</b>	<b>17.2</b>	<b>16.8</b>	<b>17.6</b>	<b>18.0</b>
<b>8H</b>	<b>15.1</b>	<b>15.8</b>	<b>15.5</b>	<b>16.2</b>	<b>16.6</b>	<b>16.6</b>	<b>17.4</b>	<b>17.0</b>	<b>17.8</b>	<b>18.2</b>
<b>12H</b>	<b>15.2</b>	<b>15.9</b>	<b>15.6</b>	<b>16.3</b>	<b>16.7</b>	<b>16.8</b>	<b>17.5</b>	<b>17.2</b>	<b>17.9</b>	<b>18.3</b>
<b>8H 4H</b>	<b>14.7</b>	<b>15.5</b>	<b>15.1</b>	<b>15.8</b>	<b>16.2</b>	<b>16.0</b>	<b>16.8</b>	<b>16.4</b>	<b>17.2</b>	<b>17.6</b>
<b>6H</b>	<b>15.5</b>	<b>16.1</b>	<b>15.9</b>	<b>16.5</b>	<b>17.0</b>	<b>16.8</b>	<b>17.5</b>	<b>17.3</b>	<b>17.9</b>	<b>18.3</b>
<b>8H</b>	<b>15.8</b>	<b>16.4</b>	<b>16.2</b>	<b>16.8</b>	<b>17.3</b>	<b>17.2</b>	<b>17.7</b>	<b>17.6</b>	<b>18.2</b>	<b>18.6</b>
<b>12H</b>	<b>16.0</b>	<b>16.5</b>	<b>16.5</b>	<b>17.0</b>	<b>17.5</b>	<b>17.5</b>	<b>18.0</b>	<b>17.9</b>	<b>18.4</b>	<b>18.9</b>
<b>12H 4H</b>	<b>14.7</b>	<b>15.5</b>	<b>15.2</b>	<b>15.9</b>	<b>16.3</b>	<b>16.0</b>	<b>16.7</b>	<b>16.4</b>	<b>17.1</b>	<b>17.5</b>
<b>6H</b>	<b>15.6</b>	<b>16.2</b>	<b>16.1</b>	<b>16.6</b>	<b>17.1</b>	<b>16.9</b>	<b>17.5</b>	<b>17.4</b>	<b>17.9</b>	<b>18.4</b>
<b>8H</b>	<b>16.0</b>	<b>16.5</b>	<b>16.5</b>	<b>16.9</b>	<b>17.4</b>	<b>17.3</b>	<b>17.8</b>	<b>17.8</b>	<b>18.2</b>	<b>18.7</b>
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	<b>+ 0.5 / - 0.5</b>					<b>+ 0.4 / - 0.4</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.5</b>					<b>+ 0.2 / - 0.4</b>				
<b>2.0H</b>	<b>+ 0.9 / - 0.8</b>					<b>+ 0.7 / - 0.5</b>				

CIE Pub.117, 2960 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 3.8$ )  
Area: 0.21 m<sup>2</sup>

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:20 February 2024**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.700m [K=1.0000]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

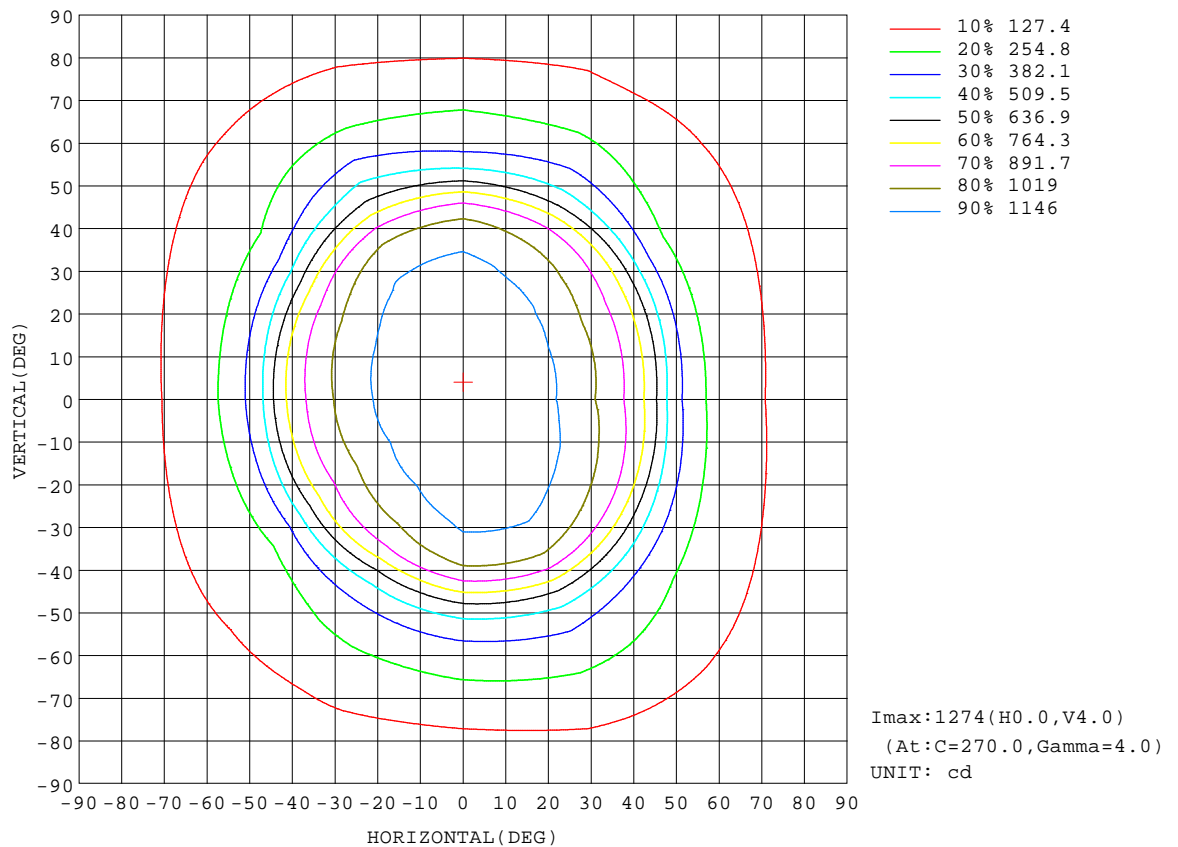
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	53	47	63	53	47	62	53	47	41
0.80	74	63	57	73	63	57	71	62	56	50
1.00	82	72	65	80	71	65	78	72	64	58
1.25	88	79	73	87	78	72	84	77	71	65
1.50	92	84	78	91	83	77	88	81	76	69
2.00	98	91	85	97	90	85	93	88	83	76
2.50	102	95	90	100	93	89	96	91	87	79
3.00	104	98	94	102	97	93	98	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	107	104	100	103	100	97	88
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℃**  
**Operators:Mr.Ma**  
**Test Date:20 February 2024**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.700m [K=1.0000]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:



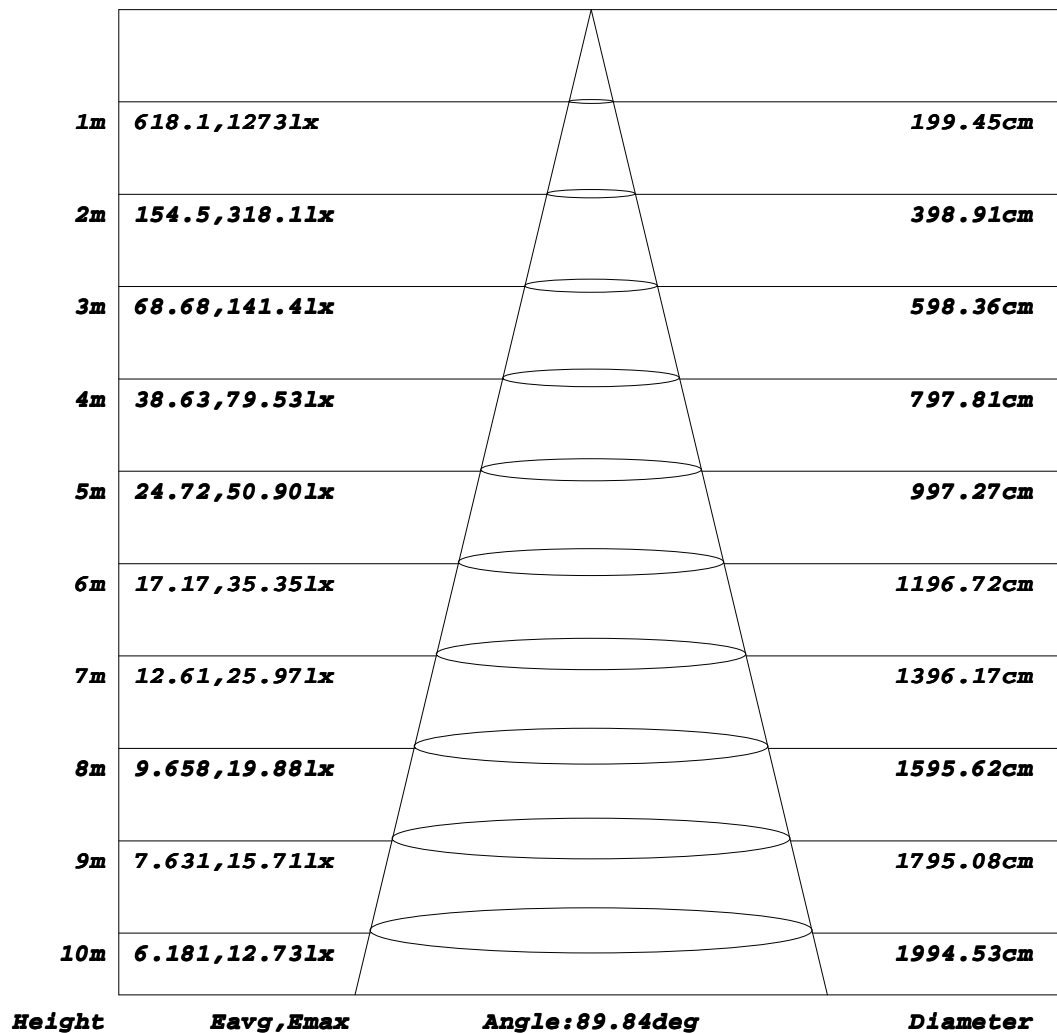
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:20 February 2024**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.700m [K=1.0000]**  
**Remarks:**



**AAI Figure**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

**Flux out:1942 lm**


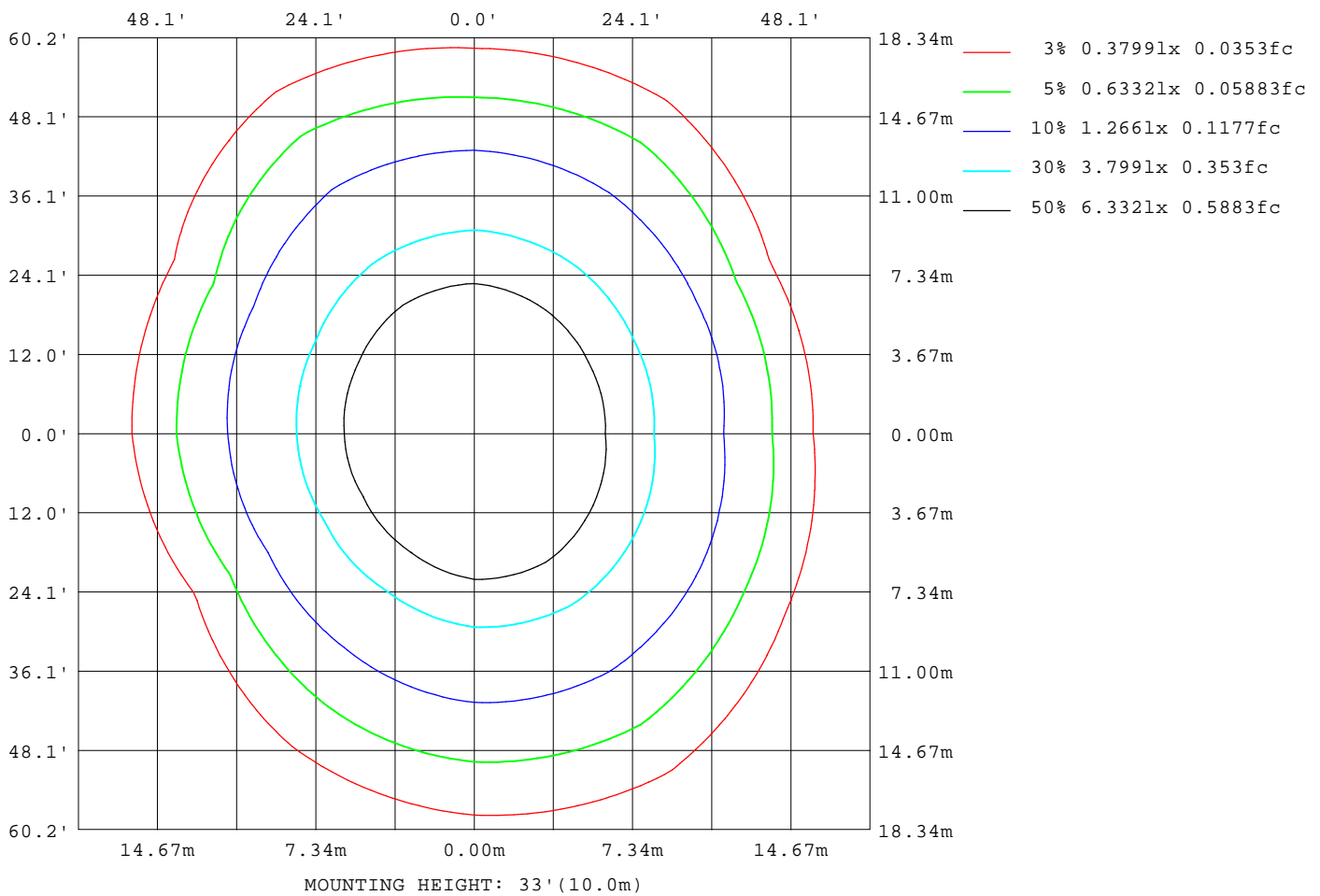
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr.Ma**  
**Test Date: 20 February 2024**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity: 65.0%**  
**Test Distance: 6.700m [K=1.0000]**  
**Remarks:**

**ISOLUX DIAGRAM**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr.Ma**  
**Test Date: 20 February 2024**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity: 65.0%**  
**Test Distance: 6.700m [K=1.0000]**  
**Remarks:**

### LED Avg.L Report

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm		
NAME: Verso 1500 30W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

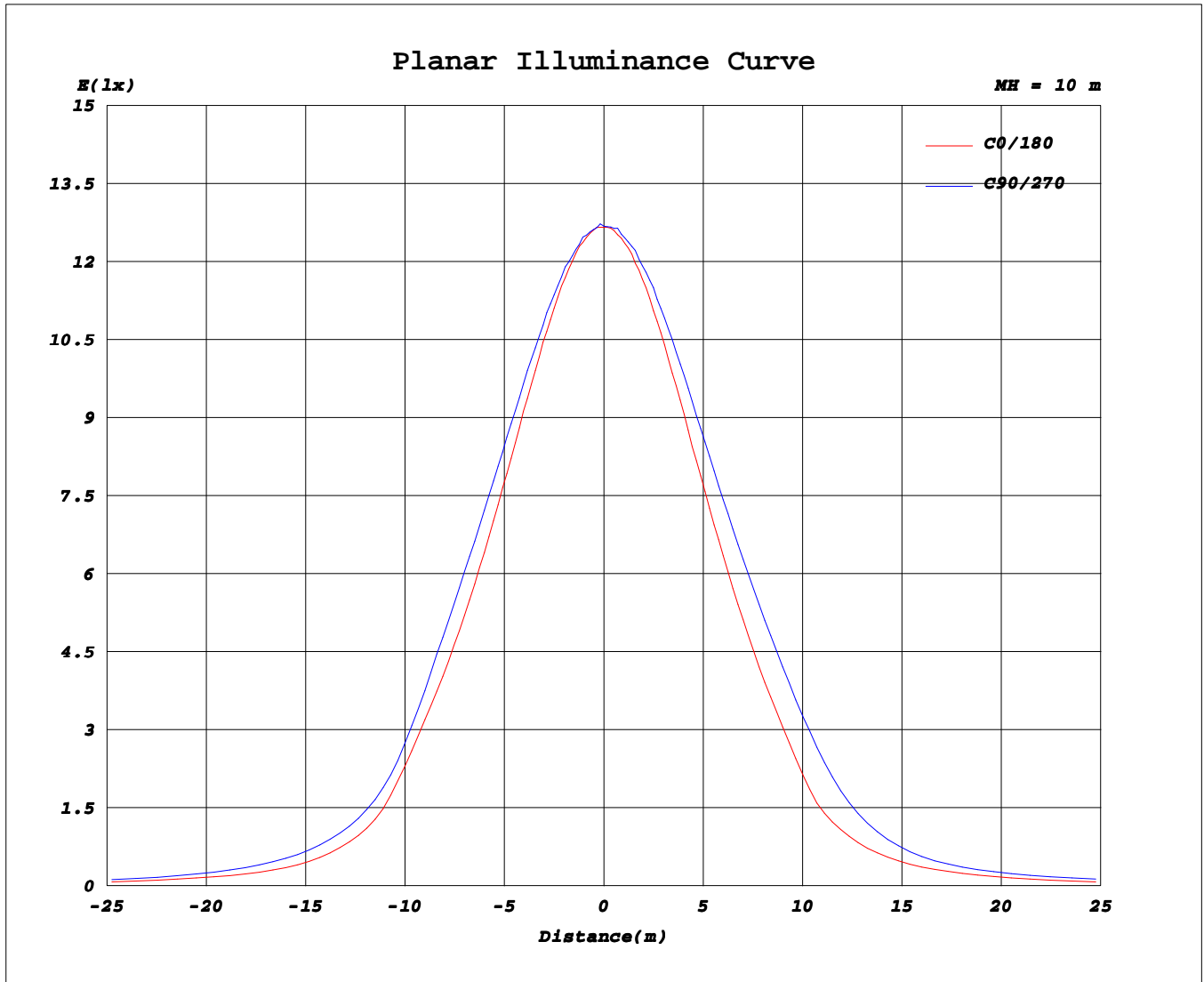
AvgL	cd/m2
L_0~180(65)av	1977
L_0~180(75)av	1802
L_0~180(85)av	1793
L_90~270(65)av	3034
L_90~270(75)av	2983
L_90~270(85)av	3221
L_45(65)av	2584
L_45(75)av	2432
L_45(85)av	2508

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3℃**  
**Operators:Mr.Ma**  
**Test Date:20 February 2024**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity:65.0%**  
**Test Distance:6.700m [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: 20 February 2024**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**  
**Humidity: 65.0%**  
**Test Distance: 6.700m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:229.76V I:0.1266A P:28.485W PF:0.9795 Freq:50.00Hz Lamp Flux:2960.23x1 lm																	
NAME: Verso 1500 30W WW									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: PURATI PTY LTD									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(°) \ γ (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267						
5	1262	1266	1268	1264	1258	1256	1261	1260	1264	1266	1269	1266						
10	1242	1254	1261	1255	1242	1233	1241	1242	1257	1260	1260	1250						
15	1208	1232	1250	1240	1213	1195	1206	1214	1243	1250	1242	1223						
20	1164	1198	1230	1220	1175	1145	1160	1178	1222	1235	1215	1182						
25	1106	1154	1205	1193	1127	1083	1099	1130	1197	1213	1179	1131						
30	1035	1097	1169	1156	1063	1005	1025	1067	1161	1184	1132	1064						
35	947	1024	1116	1099	975	904	933	985	1109	1141	1071	985						
40	834	922	1024	992	830	762	809	866	1026	1069	987	883						
45	654	742	835	777	596	540	608	663	860	925	851	732						
50	420	513	599	554	440	349	409	456	653	688	613	484						
55	292	353	449	419	335	235	294	304	503	475	456	312						
60	213	265	353	324	273	190	224	236	375	337	336	218						
65	175	222	290	263	216	167	176	206	279	275	264	185						
70	134	183	214	204	160	128	132	173	215	235	200	160						
75	97.9	131	157	148	127	89.1	98.0	124	163	177	150	115						
80	73.3	94.0	114	96.5	77.2	57.2	73.3	87.9	121	126	120	82.4						
85	32.9	45.9	55.9	46.6	22.4	17.4	32.8	42.2	68.2	71.3	67.2	48.0						
90	0.45	0.56	0.66	0.67	0.54	0.45	0.55	0.63	0.83	10.3	16.7	6.03						
95	0.51	0.60	0.80	0.84	0.69	0.57	0.64	0.72	0.89	0.86	0.72	0.65						
100	0.64	0.74	1.03	1.10	0.90	0.71	0.74	0.85	1.10	1.04	0.83	0.73						
105	0.80	0.96	1.32	1.42	1.21	0.91	0.89	1.08	1.38	1.28	1.02	0.85						
110	1.04	1.27	1.64	1.76	1.62	1.19	1.11	1.42	1.68	1.56	1.28	1.03						
115	1.37	1.67	1.99	2.13	2.09	1.60	1.43	1.87	2.02	1.88	1.63	1.30						
120	1.85	2.16	2.38	2.54	2.57	2.15	1.91	2.34	2.39	2.23	2.06	1.71						
125	2.42	2.67	2.82	2.99	3.05	2.75	2.47	2.82	2.81	2.62	2.49	2.21						
130	3.03	3.15	3.30	3.48	3.53	3.33	3.04	3.29	3.28	3.10	2.94	2.78						
135	3.58	3.61	3.80	3.97	4.00	3.81	3.51	3.75	3.74	3.59	3.36	3.31						
140	4.06	4.07	4.29	4.46	4.42	4.25	3.94	4.18	4.18	4.07	3.80	3.78						
145	4.55	4.57	4.76	4.90	4.82	4.63	4.33	4.55	4.62	4.54	4.27	4.27						
150	5.06	5.10	5.18	5.32	5.18	5.00	4.70	4.92	5.04	4.97	4.79	4.76						
155	5.64	5.61	5.58	5.67	5.53	5.42	5.15	5.29	5.44	5.37	5.28	5.32						
160	6.21	6.01	5.94	6.01	5.90	5.84	5.63	5.67	5.83	5.76	5.70	5.91						
165	6.74	6.34	6.21	6.27	6.19	6.24	6.08	6.06	6.13	6.11	6.06	6.47						
170	7.15	6.61	6.49	6.51	6.49	6.59	6.53	6.39	6.42	6.38	6.39	6.90						
175	7.37	6.84	6.70	6.71	6.69	6.90	6.87	6.65	6.63	6.61	6.65	7.11						
180	7.35	6.92	6.85	6.78	6.85	7.21	7.34	6.93	6.86	6.79	6.84	7.21						

**C Range: 0 - 360DEG**
**C Interval: 30.0DEG**
**Test Speed: HIGH**
**Temperature:25.3°C**
**Operators:Mr.Ma**
**Test Date:20 February 2024**
**γ Range: 0 - 180DEG**
**γ Interval: 1.0DEG**
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**
**Humidity:65.0%**
**Test Distance:6.700m [K=1.0000]**
**Remarks:**