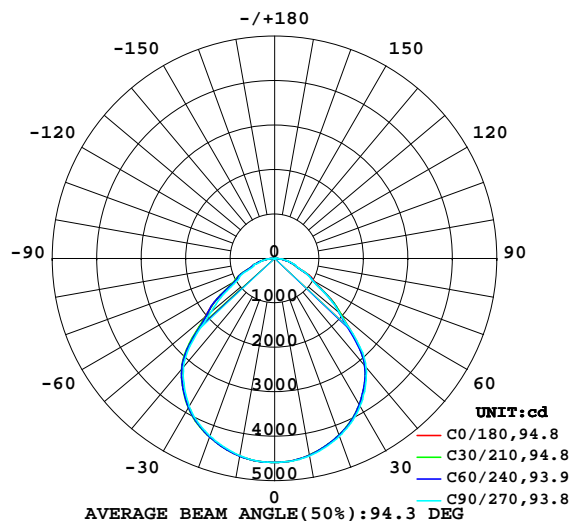


**LUMINAIRE PHOTOMETRIC TEST REPORT**

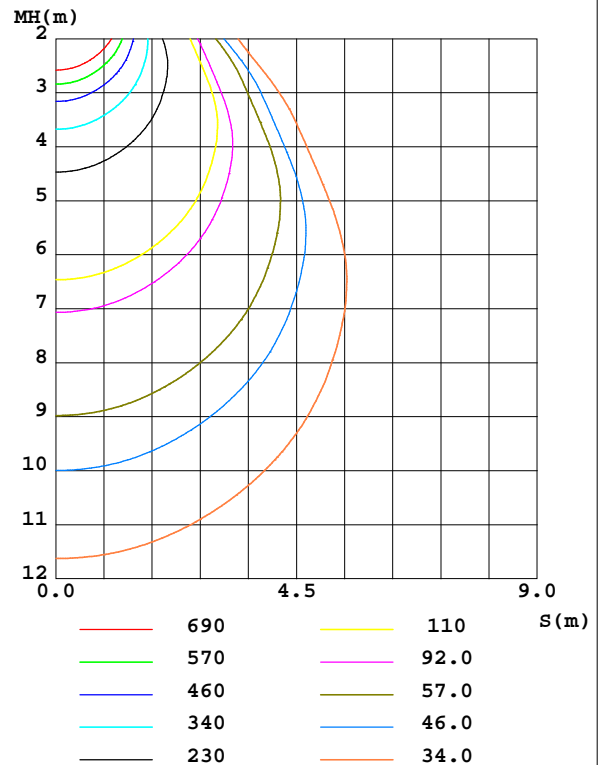
Test:U:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 118.19 lm/W
MODEL		Imax(cd)	4586	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	10407	η UP,DN(C0-180)	0.2,49.4	
NOMINAL FLUX(lm)	10407.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,50.3	
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	229.5	η down(%)	99.7	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℃**  
**Operators:Mr.Ma**  
**Test Date:2023-08-23**

**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:**

**ZONAL FLUX DIAGRAM**
**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	4495	4492	4509	4505	4513	4517	4506	4507	0- 10	434.2	434.2	4.17,4.17
20	4239	4229	4251	4253	4267	4275	4250	4252	10- 20	1240	1675	16.1,16.1
30	3822	3804	3841	3836	3862	3878	3844	3842	20- 30	1876	3550	34.1,34.1
40	3172	3152	3198	3193	3245	3257	3191	3203	30- 40	2216	5767	55.4,55.4
50	1946	1923	1898	1921	2040	2022	1856	1888	40- 50	1994	7761	74.6,74.6
60	1025	993.6	975.4	998.0	1054	1055	949.9	974.1	50- 60	1303	9064	87.1,87.1
70	509.8	514.6	518.8	519.1	553.7	545.2	502.5	510.2	60- 70	761.8	9826	94.4,94.4
80	250.1	230.7	259.3	254.2	270.6	275.9	251.3	253.0	70- 80	419.8	10246	98.4,98.4
90	1.501	1.470	1.381	1.507	3.364	5.508	1.801	1.849	80- 90	129.0	10375	99.7,99.7
100	2.722	2.703	2.535	2.577	2.822	2.780	2.827	2.820	90-100	2.328	10377	99.7,99.7
110	4.537	4.507	4.267	4.339	4.484	4.452	4.504	4.477	100-110	3.744	10381	99.7,99.7
120	6.055	6.017	5.853	6.013	6.019	5.987	6.053	6.027	110-120	5.241	10386	99.8,99.8
130	6.683	6.572	6.519	6.721	6.456	6.582	6.628	6.618	120-130	5.721	10392	99.9,99.9
140	6.832	6.629	6.634	6.867	6.462	6.661	6.708	6.704	130-140	5.153	10397	99.9,99.9
150	7.162	6.940	7.087	7.285	6.812	7.018	7.079	7.093	140-150	4.297	10401	99.9,99.9
160	7.272	7.117	7.393	7.408	7.037	7.295	7.313	7.374	150-160	3.325	10404	100,100
170	7.456	7.227	7.512	7.409	7.383	7.778	7.684	7.418	160-170	2.085	10406	100,100
180	7.520	7.455	7.620	7.582	7.518	7.456	7.620	7.581	170-180	0.7150	10407	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

**Conical surface Flux(90deg): 6853.6 lm**
**%lum = 65.9%**
**%lamp = 65.9%**
**Conical surface Flux(130deg): 9505.3 lm**
**%lum = 91.3%**
**%lamp = 91.3%**

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:2023-08-23**

**$\gamma$  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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz  
Lamp Flux:10407.2x1 lm

NAME: Compo 900 90W WW

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

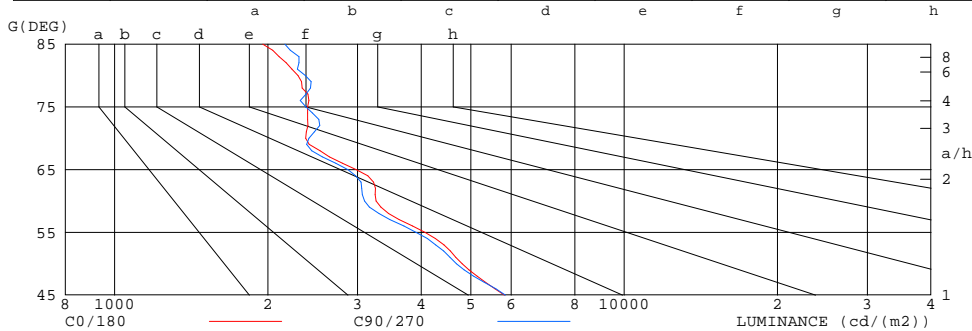
MFR.: PURATI PTY LTD

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	1955	2159
80	2291	2369
75	2393	2375
70	2371	2406
65	2981	2873
60	3262	3095
55	4066	3909
50	4814	4686
45	5819	5848

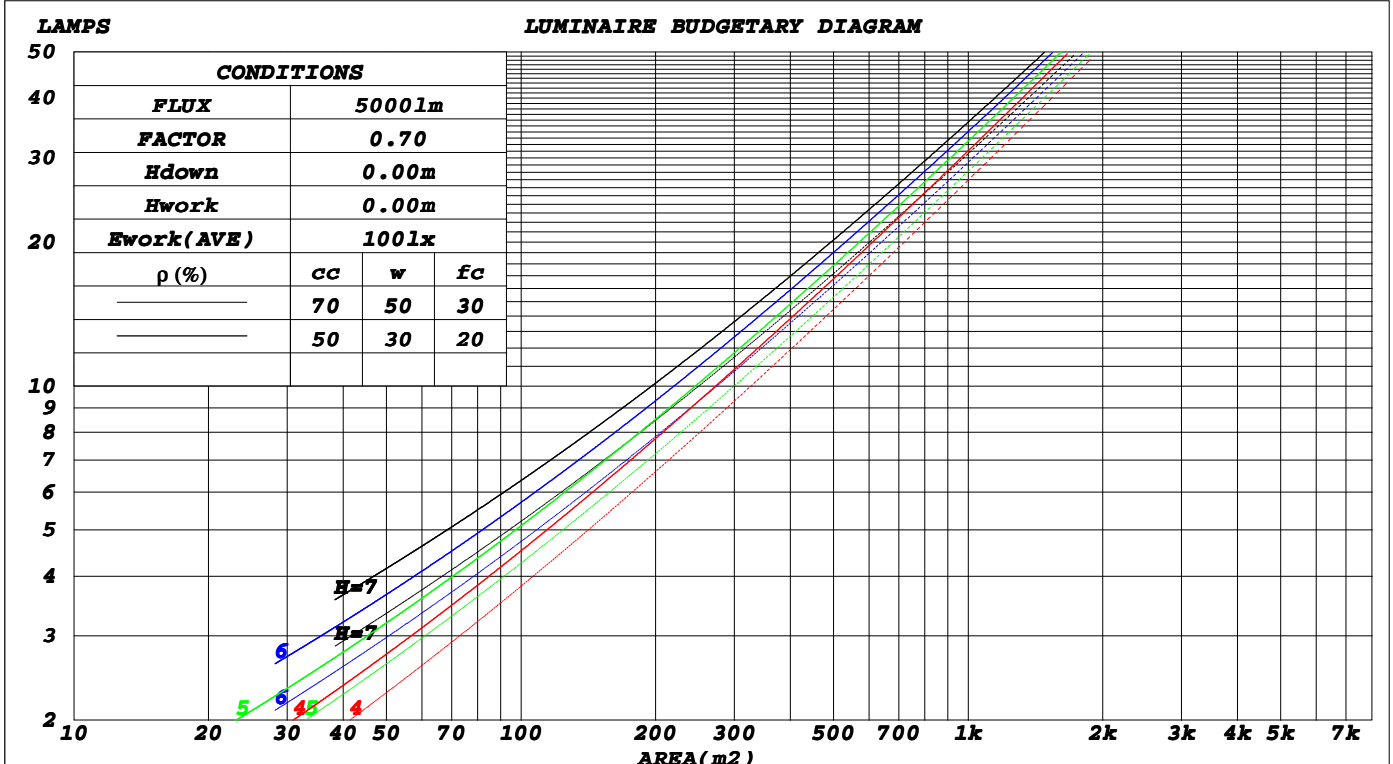
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr. Ma  
Test Date: 2023-08-23

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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W 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	.00
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.85	.82	.78	.82	.79	.76	.74
3.0	.84	.77	.71	.82	.76	.70	.79	.74	.69	.77	.72	.68	.74	.70	.66	.64
4.0	.75	.67	.61	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.53	.47	.61	.53	.47	.59	.52	.47	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.48	.42	.55	.48	.42	.54	.47	.42	.53	.46	.42	.51	.46	.41	.39
8.0	.52	.44	.38	.51	.43	.38	.50	.43	.38	.48	.42	.37	.47	.42	.37	.35
9.0	.48	.40	.35	.47	.39	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.42	.36	.31	.42	.35	.31	.41	.35	.31	.29



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 2023-08-23

$\gamma$  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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W 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	.269	.153	.048	.262	.150	.047	.249	.143	.046	.237	.137	.044	.225	.131	.042		
2.0	.256	.141	.043	.250	.138	.042	.239	.133	.041	.228	.128	.040	.218	.123	.039		
3.0	.240	.128	.038	.235	.126	.038	.225	.122	.037	.216	.118	.036	.207	.115	.035		
4.0	.225	.117	.034	.220	.115	.034	.211	.112	.033	.203	.109	.033	.195	.106	.032		
5.0	.210	.107	.031	.206	.106	.031	.198	.103	.030	.190	.101	.030	.184	.098	.029		
6.0	.197	.099	.028	.193	.097	.028	.186	.095	.028	.179	.093	.027	.173	.091	.027		
7.0	.185	.091	.026	.181	.090	.026	.175	.088	.025	.169	.087	.025	.163	.085	.025		
8.0	.174	.085	.024	.171	.084	.024	.165	.082	.024	.160	.081	.023	.155	.079	.023		
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.151	.076	.022	.147	.074	.022		
10.0	.155	.074	.021	.152	.074	.021	.148	.072	.020	.143	.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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.180	.159	.140	.154	.136	.120	.105	.094	.083	.061	.054	.048	.019	.017	.016	
2.0	.170	.135	.105	.146	.116	.091	.100	.080	.063	.058	.047	.037	.018	.015	.012	
3.0	.161	.117	.081	.138	.101	.070	.095	.070	.049	.055	.041	.029	.018	.013	.009	
4.0	.153	.103	.064	.132	.089	.056	.090	.062	.039	.052	.036	.023	.017	.012	.008	
5.0	.146	.092	.053	.125	.080	.046	.086	.056	.032	.050	.033	.019	.016	.011	.006	
6.0	.139	.084	.044	.119	.072	.038	.082	.051	.027	.048	.030	.016	.015	.010	.005	
7.0	.133	.077	.038	.114	.066	.033	.079	.047	.023	.046	.027	.014	.015	.009	.005	
8.0	.126	.071	.033	.109	.061	.029	.075	.043	.020	.044	.025	.012	.014	.008	.004	
9.0	.121	.066	.029	.104	.057	.025	.072	.040	.018	.042	.024	.011	.014	.008	.004	
10.0	.116	.062	.026	.100	.054	.023	.069	.038	.016	.040	.022	.010	.013	.007	.003	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:2023-08-23**

**$\gamma$  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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm										
NAME: Compo 900 90W 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>9.0</b>	<b>10.4</b>	<b>9.3</b>	<b>10.6</b>	<b>10.8</b>	<b>8.9</b>	<b>10.3</b>	<b>9.1</b>	<b>10.5</b>	<b>10.7</b>
<b>3H</b>	<b>9.7</b>	<b>11.0</b>	<b>10.0</b>	<b>11.2</b>	<b>11.4</b>	<b>9.6</b>	<b>10.8</b>	<b>9.9</b>	<b>11.1</b>	<b>11.3</b>
<b>4H</b>	<b>10.0</b>	<b>11.2</b>	<b>10.3</b>	<b>11.5</b>	<b>11.7</b>	<b>9.9</b>	<b>11.1</b>	<b>10.2</b>	<b>11.4</b>	<b>11.6</b>
<b>6H</b>	<b>10.3</b>	<b>11.4</b>	<b>10.6</b>	<b>11.7</b>	<b>12.0</b>	<b>10.2</b>	<b>11.4</b>	<b>10.6</b>	<b>11.6</b>	<b>11.9</b>
<b>8H</b>	<b>10.4</b>	<b>11.5</b>	<b>10.7</b>	<b>11.8</b>	<b>12.1</b>	<b>10.4</b>	<b>11.4</b>	<b>10.7</b>	<b>11.7</b>	<b>12.0</b>
<b>12H</b>	<b>10.5</b>	<b>11.5</b>	<b>10.8</b>	<b>11.8</b>	<b>12.1</b>	<b>10.4</b>	<b>11.5</b>	<b>10.8</b>	<b>11.8</b>	<b>12.1</b>
<b>4H 2H</b>	<b>9.2</b>	<b>10.5</b>	<b>9.6</b>	<b>10.7</b>	<b>11.0</b>	<b>9.1</b>	<b>10.3</b>	<b>9.4</b>	<b>10.6</b>	<b>10.8</b>
<b>3H</b>	<b>10.1</b>	<b>11.2</b>	<b>10.5</b>	<b>11.5</b>	<b>11.8</b>	<b>10.0</b>	<b>11.1</b>	<b>10.4</b>	<b>11.4</b>	<b>11.7</b>
<b>4H</b>	<b>10.6</b>	<b>11.5</b>	<b>11.0</b>	<b>11.9</b>	<b>12.2</b>	<b>10.5</b>	<b>11.5</b>	<b>10.9</b>	<b>11.8</b>	<b>12.1</b>
<b>6H</b>	<b>11.0</b>	<b>11.9</b>	<b>11.4</b>	<b>12.2</b>	<b>12.6</b>	<b>11.0</b>	<b>11.8</b>	<b>11.4</b>	<b>12.2</b>	<b>12.5</b>
<b>8H</b>	<b>11.2</b>	<b>11.9</b>	<b>11.6</b>	<b>12.3</b>	<b>12.7</b>	<b>11.1</b>	<b>11.9</b>	<b>11.6</b>	<b>12.3</b>	<b>12.7</b>
<b>12H</b>	<b>11.3</b>	<b>12.0</b>	<b>11.7</b>	<b>12.4</b>	<b>12.8</b>	<b>11.3</b>	<b>12.0</b>	<b>11.7</b>	<b>12.4</b>	<b>12.8</b>
<b>8H 4H</b>	<b>10.7</b>	<b>11.5</b>	<b>11.1</b>	<b>11.9</b>	<b>12.3</b>	<b>10.7</b>	<b>11.4</b>	<b>11.1</b>	<b>11.8</b>	<b>12.2</b>
<b>6H</b>	<b>11.3</b>	<b>11.9</b>	<b>11.7</b>	<b>12.3</b>	<b>12.8</b>	<b>11.2</b>	<b>11.9</b>	<b>11.7</b>	<b>12.3</b>	<b>12.7</b>
<b>8H</b>	<b>11.5</b>	<b>12.1</b>	<b>12.0</b>	<b>12.5</b>	<b>13.0</b>	<b>11.5</b>	<b>12.1</b>	<b>12.0</b>	<b>12.5</b>	<b>13.0</b>
<b>12H</b>	<b>11.7</b>	<b>12.2</b>	<b>12.2</b>	<b>12.6</b>	<b>13.1</b>	<b>11.7</b>	<b>12.2</b>	<b>12.2</b>	<b>12.6</b>	<b>13.1</b>
<b>12H 4H</b>	<b>10.7</b>	<b>11.4</b>	<b>11.2</b>	<b>11.8</b>	<b>12.2</b>	<b>10.7</b>	<b>11.4</b>	<b>11.1</b>	<b>11.8</b>	<b>12.2</b>
<b>6H</b>	<b>11.3</b>	<b>11.9</b>	<b>11.8</b>	<b>12.3</b>	<b>12.8</b>	<b>11.3</b>	<b>11.9</b>	<b>11.7</b>	<b>12.3</b>	<b>12.7</b>
<b>8H</b>	<b>11.6</b>	<b>12.1</b>	<b>12.1</b>	<b>12.5</b>	<b>13.0</b>	<b>11.6</b>	<b>12.1</b>	<b>12.1</b>	<b>12.5</b>	<b>13.0</b>
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	<b>+ 0.5 / - 0.6</b>					<b>+ 0.5 / - 0.5</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.2 / - 0.3</b>				
<b>2.0H</b>	<b>+ 0.9 / - 0.7</b>					<b>+ 1.0 / - 0.8</b>				

CIE Pub.117, 10407 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 8.1$ )  
Area: 0.63 m<sup>2</sup>

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:2023-08-23**

**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:**

**UTILIZATION FACTORS TABLE**

Test:U:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

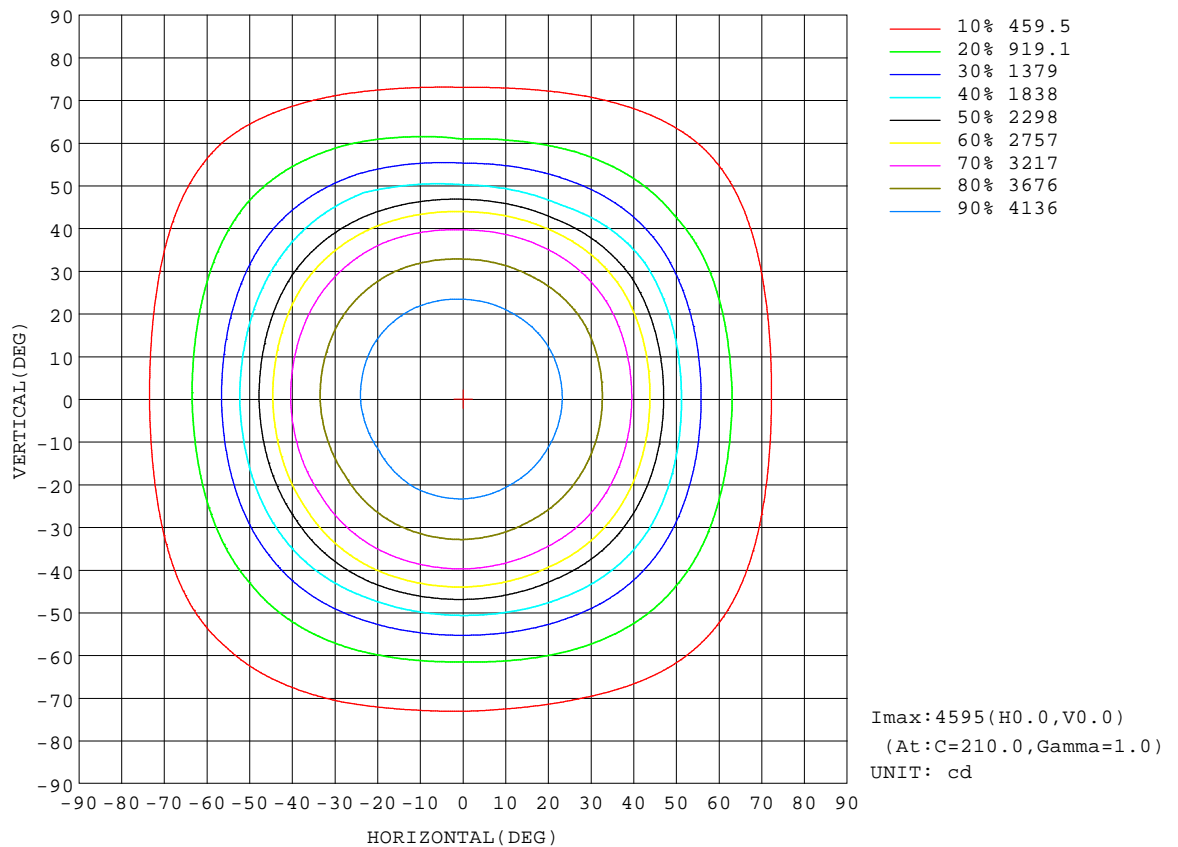
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	53	47	63	53	47	62	52	47	41
0.80	74	63	57	73	63	57	71	62	56	50
1.00	82	72	66	81	72	65	79	73	65	59
1.25	88	79	73	87	79	73	85	77	72	65
1.50	93	84	78	91	84	78	89	82	77	70
2.00	99	92	86	97	90	85	94	88	84	77
2.50	102	95	90	100	94	89	96	91	87	80
3.00	105	99	94	103	98	93	99	95	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	103	100	98	89
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:2023-08-23**

**$\gamma$  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:**

**ISOCANDELA DIAGRAM**

Test:U:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:



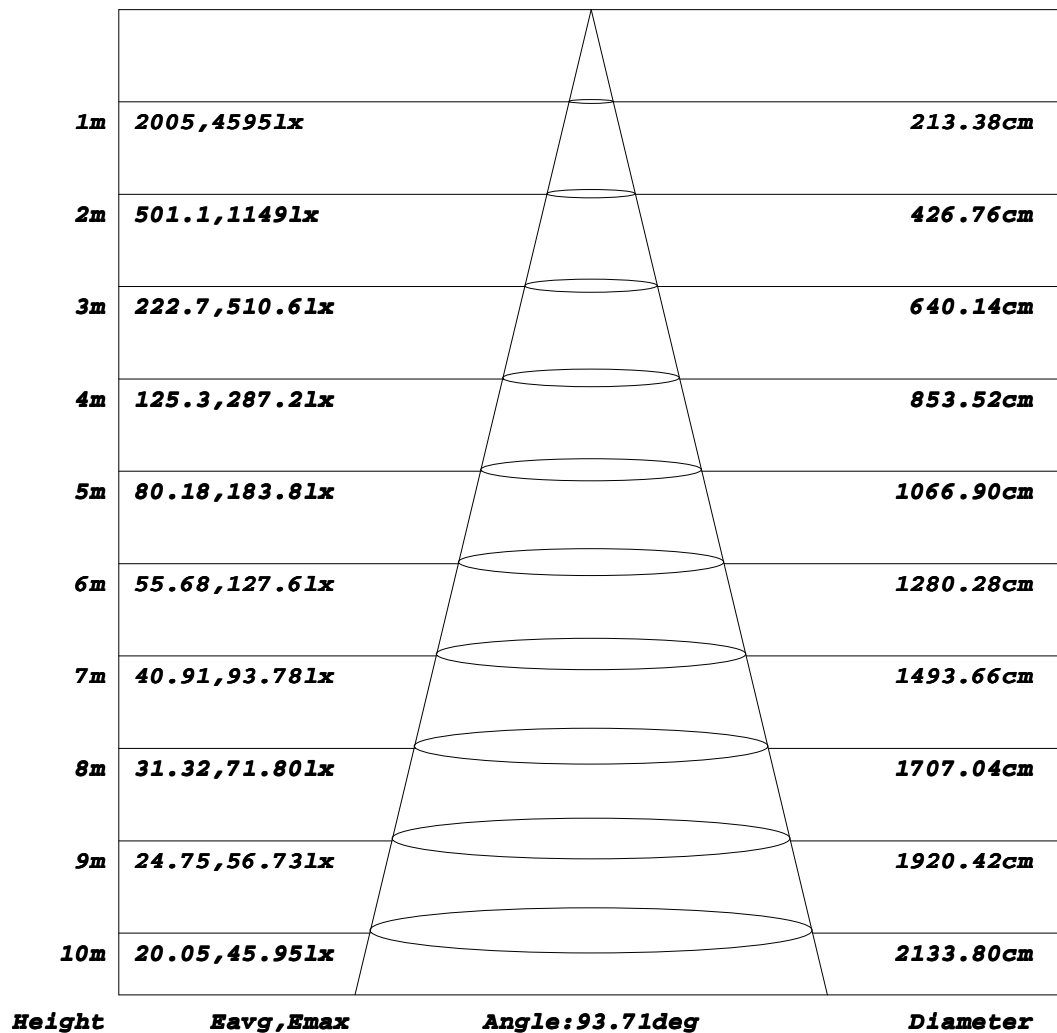
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3°C**  
**Operators:Mr.Ma**  
**Test Date:2023-08-23**

**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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

**Flux out:7242 lm**


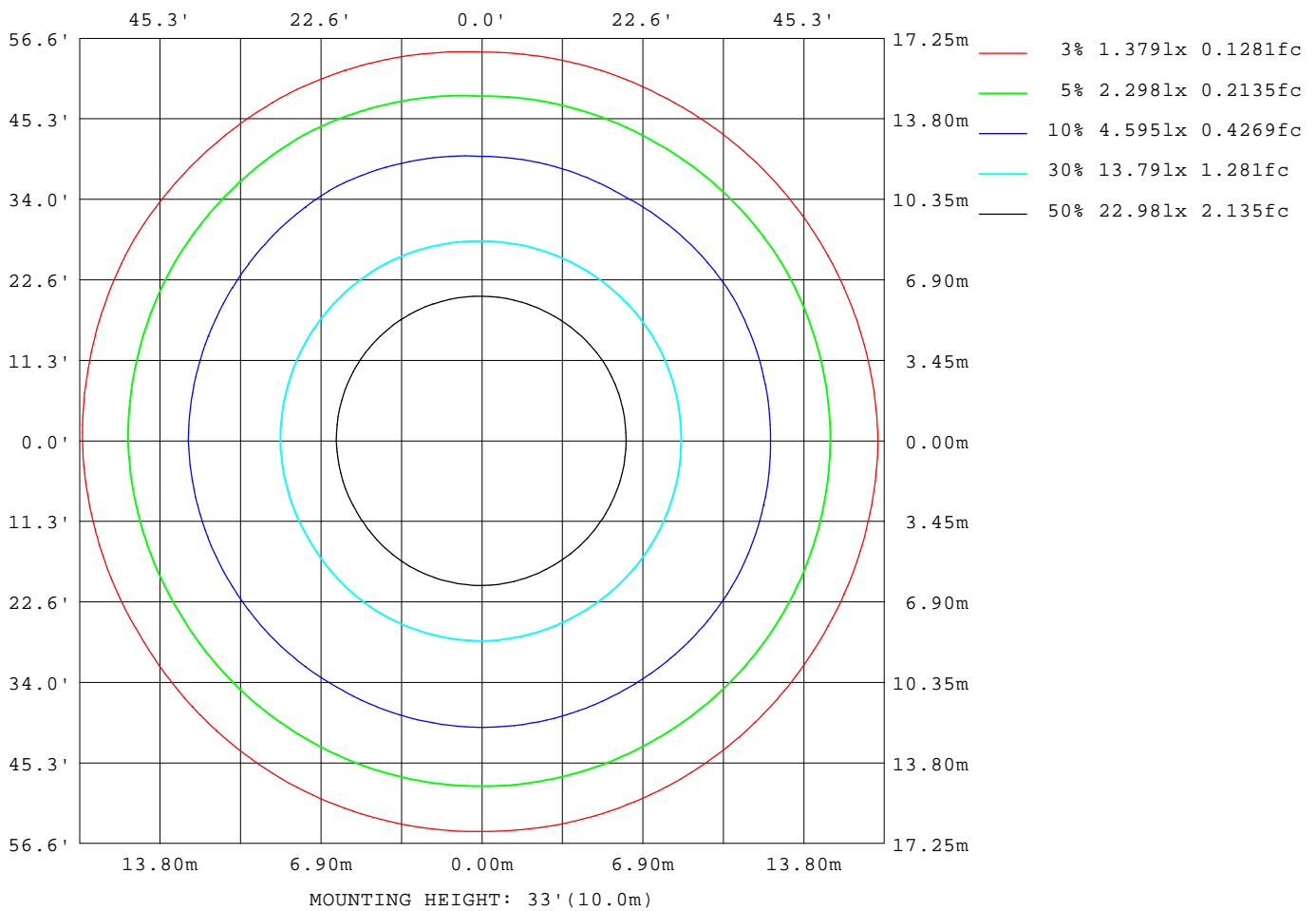
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr.Ma**  
**Test Date: 2023-08-23**

**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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W 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: 2023-08-23**

**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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm		
NAME: Compo 900 90W WW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: PURATI PTY LTD	SUR.:	Shielding Angle:

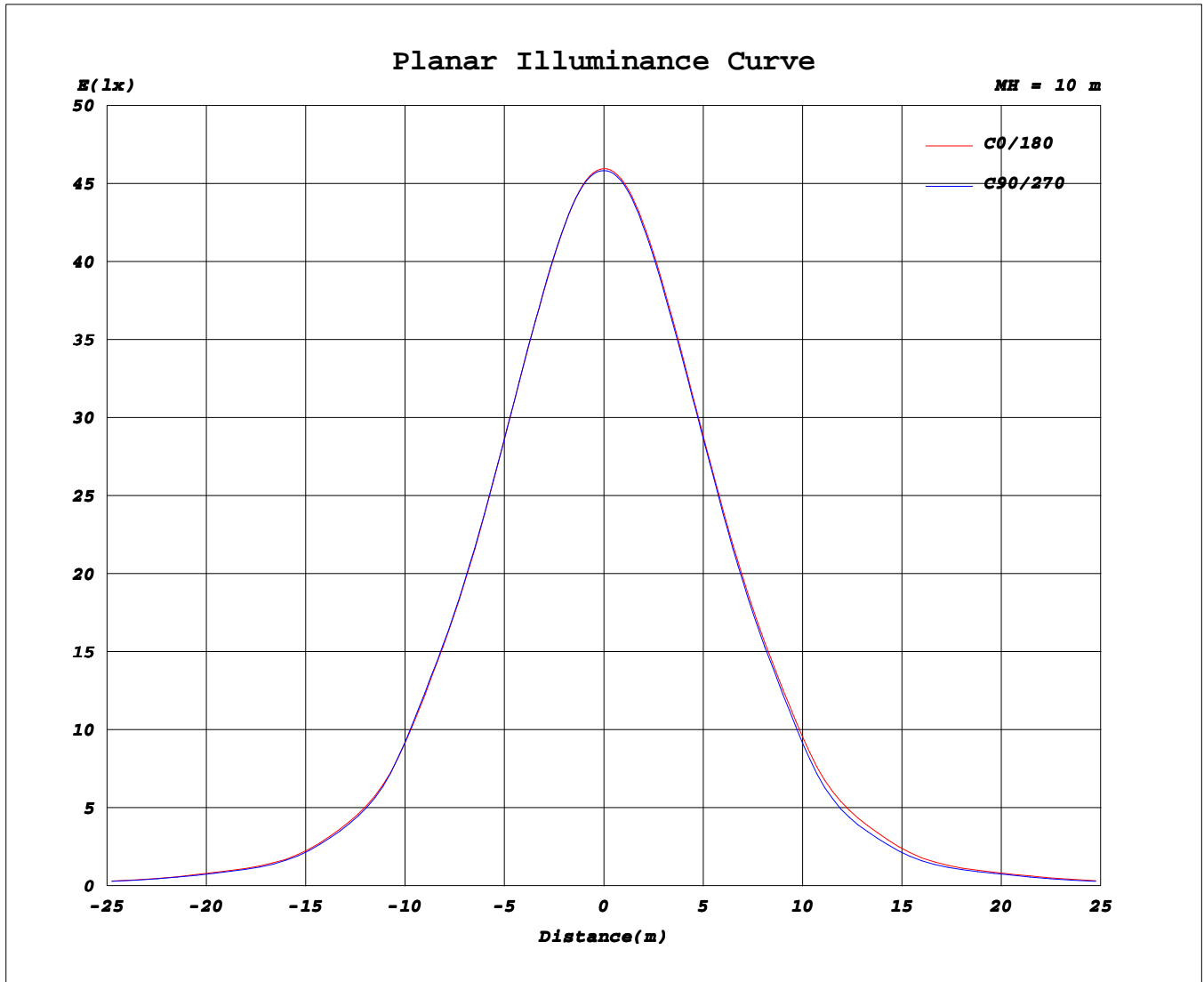
AvgL	cd/m2
L_0~180(65)av	3077
L_0~180(75)av	2444
L_0~180(85)av	2160
L_90~270(65)av	2873
L_90~270(75)av	2329
L_90~270(85)av	2141
L_45(65)av	2970
L_45(75)av	2390
L_45(85)av	2108

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3℃**  
**Operators: Mr.Ma**  
**Test Date: 2023-08-23**

**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: 2023-08-23**

**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:229.00V I:0.3933A P:88.054W PF:0.9778 Freq:50.00Hz Lamp Flux:10407.2x1 lm																		
NAME: Compo 900 90W 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	4586	4586	4586	4586	4586	4586	4586	4586	4586	4586	4586	4586						
5	4567	4565	4565	4572	4572	4568	4573	4575	4576	4572	4570	4573						
10	4495	4491	4493	4509	4509	4502	4513	4516	4518	4506	4505	4509						
15	4380	4375	4378	4398	4401	4391	4406	4410	4411	4394	4391	4399						
20	4239	4227	4231	4251	4260	4247	4267	4275	4274	4250	4247	4257						
25	4060	4045	4045	4074	4080	4063	4090	4108	4098	4080	4065	4083						
30	3822	3803	3805	3841	3849	3824	3862	3884	3872	3844	3826	3858						
35	3528	3513	3511	3552	3558	3538	3581	3596	3592	3543	3539	3562						
40	3172	3156	3148	3198	3203	3183	3245	3260	3254	3191	3193	3213						
45	2587	2549	2519	2607	2629	2586	2694	2737	2680	2587	2552	2648						
50	1946	1949	1896	1898	1893	1948	2040	2038	2005	1856	1818	1959						
55	1466	1448	1415	1413	1421	1461	1568	1582	1589	1412	1421	1478						
60	1025	993	994	975	995	1001	1054	1078	1032	950	967	981						
65	792	759	741	765	776	777	846	855	839	764	762	820						
70	510	514	516	519	520	519	554	540	550	503	512	508						
75	389	373	369	388	403	378	407	418	408	372	389	380						
80	250	236	225	259	258	250	271	283	269	251	243	262						
85	107	96.6	97.2	119	121	110	130	136	133	116	114	121						
90	1.50	1.47	1.47	1.38	1.60	1.42	3.36	6.24	4.77	1.80	1.71	1.99						
95	2.01	2.03	2.02	1.88	1.88	1.95	2.19	2.17	2.15	2.21	2.21	2.19						
100	2.72	2.73	2.68	2.54	2.53	2.63	2.82	2.80	2.76	2.83	2.83	2.81						
105	3.57	3.58	3.53	3.35	3.32	3.46	3.60	3.57	3.55	3.60	3.58	3.59						
110	4.54	4.50	4.51	4.27	4.25	4.43	4.48	4.47	4.43	4.50	4.47	4.49						
115	5.41	5.37	5.35	5.14	5.16	5.37	5.35	5.34	5.30	5.37	5.35	5.34						
120	6.05	6.04	5.99	5.85	5.91	6.12	6.02	6.01	5.96	6.05	6.05	6.00						
125	6.47	6.44	6.38	6.30	6.39	6.60	6.38	6.41	6.39	6.45	6.47	6.41						
130	6.68	6.59	6.55	6.52	6.62	6.82	6.46	6.58	6.58	6.63	6.64	6.59						
135	6.77	6.60	6.61	6.59	6.71	6.90	6.45	6.62	6.63	6.67	6.68	6.65						
140	6.83	6.61	6.64	6.63	6.77	6.97	6.46	6.66	6.67	6.71	6.72	6.69						
145	6.96	6.69	6.78	6.76	6.90	7.14	6.57	6.77	6.78	6.84	6.85	6.81						
150	7.16	6.90	6.98	7.09	7.18	7.39	6.81	7.01	7.02	7.08	7.13	7.06						
155	7.21	7.01	7.07	7.28	7.36	7.42	6.95	7.16	7.22	7.21	7.31	7.21						
160	7.27	7.06	7.18	7.39	7.42	7.39	7.04	7.25	7.34	7.31	7.40	7.34						
165	7.43	7.05	7.27	7.46	7.43	7.36	7.18	7.29	7.43	7.59	7.34	7.44						
170	7.46	7.08	7.37	7.51	7.44	7.38	7.38	7.68	7.88	7.68	7.33	7.50						
175	7.51	7.21	7.49	7.59	7.49	7.52	7.43	7.44	7.64	7.58	7.42	7.58						
180	7.52	7.35	7.56	7.62	7.53	7.64	7.52	7.35	7.56	7.62	7.53	7.64						

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3°C**  
**Operators: Mr.Ma**  
**Test Date: 2023-08-23**

**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:**