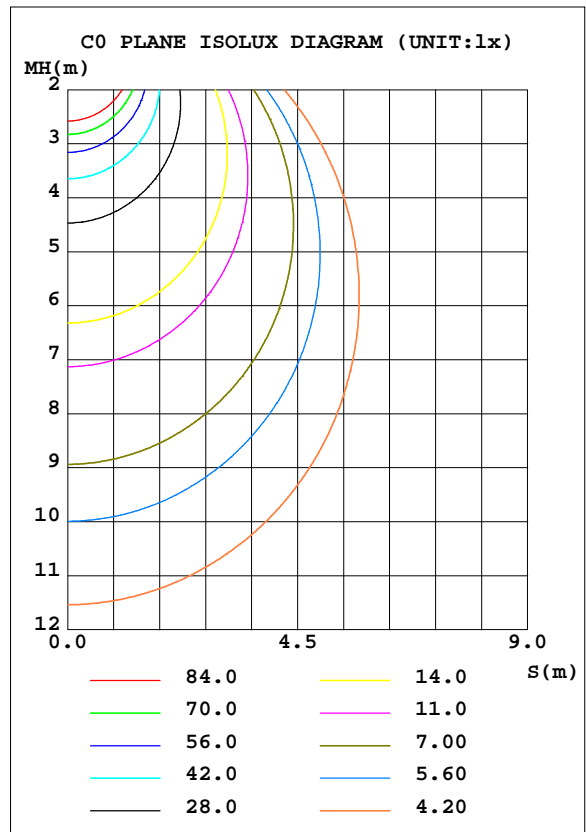
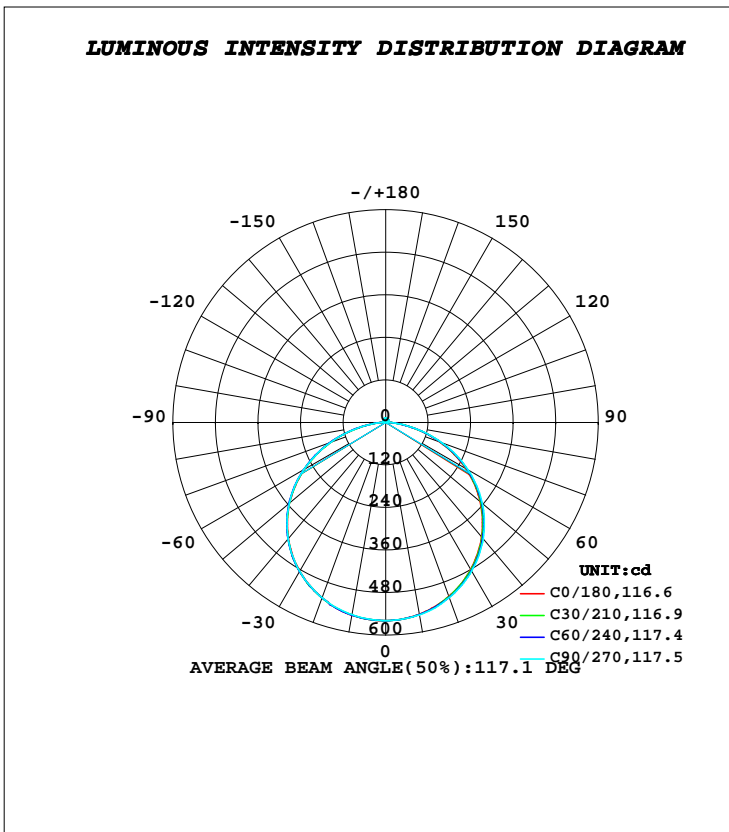


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.13 lm/W			
MODEL		I <sub>max</sub> (cd)	558.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)	18.5	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1722.9	η UP, DN(C0-180)	1.4, 48.6
NOMINAL FLUX(lm)	1722.93	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5, 48.6
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	97.2	CIBSE SHR MAX	1.35



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-12-15**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

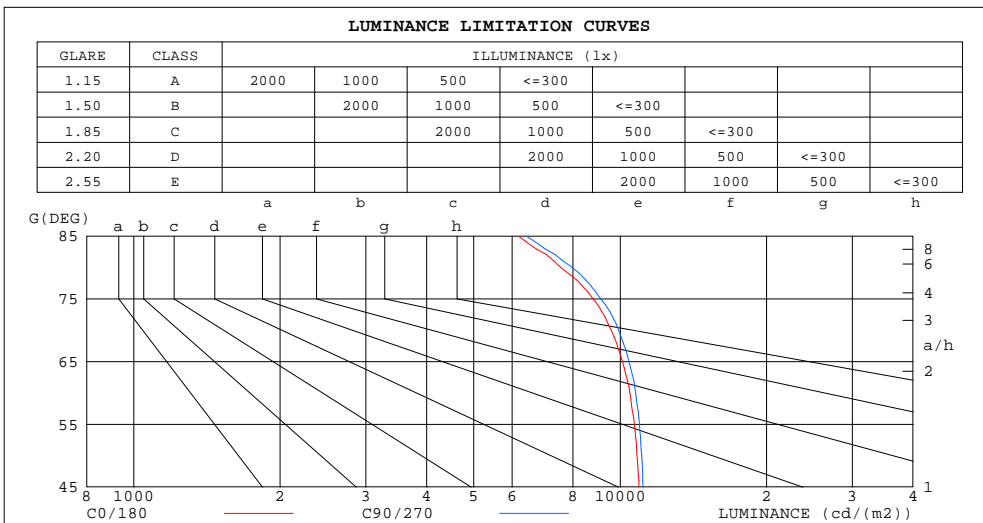
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	549.2	550.0	551.0	551.6	551.8	551.5	550.5	549.9	0- 10	52.96	52.96	3.07,3.07
20	522.2	523.6	525.3	526.6	525.9	526.7	526.0	523.3	10- 20	152.5	205.5	11.9,11.9
30	479.5	481.8	484.8	486.0	484.7	485.9	485.4	481.5	20- 30	233.5	438.9	25.5,25.5
40	421.0	424.3	428.3	428.7	427.1	428.7	428.2	423.6	30- 40	285.9	724.9	42.1,42.1
50	348.0	351.8	355.8	355.5	354.8	355.7	355.1	351.3	40- 50	302.1	1027	59.6,59.6
60	261.7	265.2	269.0	267.8	265.9	267.2	267.0	263.9	50- 60	278.1	1305	75.7,75.7
70	164.0	167.1	169.8	168.0	166.2	167.0	166.9	165.5	60- 70	214.8	1520	88.2,88.2
80	65.53	67.78	69.18	66.80	66.65	66.04	65.34	64.57	70- 80	122.0	1642	95.3,95.3
90	5.211	5.476	4.580	5.248	6.499	6.157	4.850	6.061	80- 90	32.35	1674	97.2,97.2
100	4.553	4.537	4.593	4.560	5.450	5.570	5.721	5.533	90-100	5.208	1679	97.5,97.5
110	5.792	5.782	5.824	5.810	6.544	6.678	6.768	6.623	100-110	5.959	1685	97.8,97.8
120	7.099	7.016	7.063	7.137	7.681	7.856	7.845	7.729	110-120	6.768	1692	98.2,98.2
130	8.406	8.224	8.296	8.438	8.800	9.013	8.914	8.812	120-130	7.186	1699	98.6,98.6
140	9.585	9.414	9.540	9.679	9.842	10.09	10.01	9.853	130-140	7.102	1706	99,99
150	10.70	10.55	10.74	10.84	10.80	11.11	11.12	10.91	140-150	6.456	1713	99.4,99.4
160	11.84	11.71	11.94	11.94	11.79	12.05	12.15	11.93	150-160	5.254	1718	99.7,99.7
170	12.76	12.73	12.90	12.84	12.63	12.87	12.99	12.82	160-170	3.497	1722	99.9,99.9
180	13.25	13.29	13.40	13.34	13.18	13.32	13.48	13.34	170-180	1.244	1723	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-12-15**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**LUMINANCE LIMITATION CURVES**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6180	6424
80	7549	7968
75	8800	9123
70	9592	9927
65	10111	10423
60	10472	10761
55	10695	10962
50	10830	11070
45	10932	11144

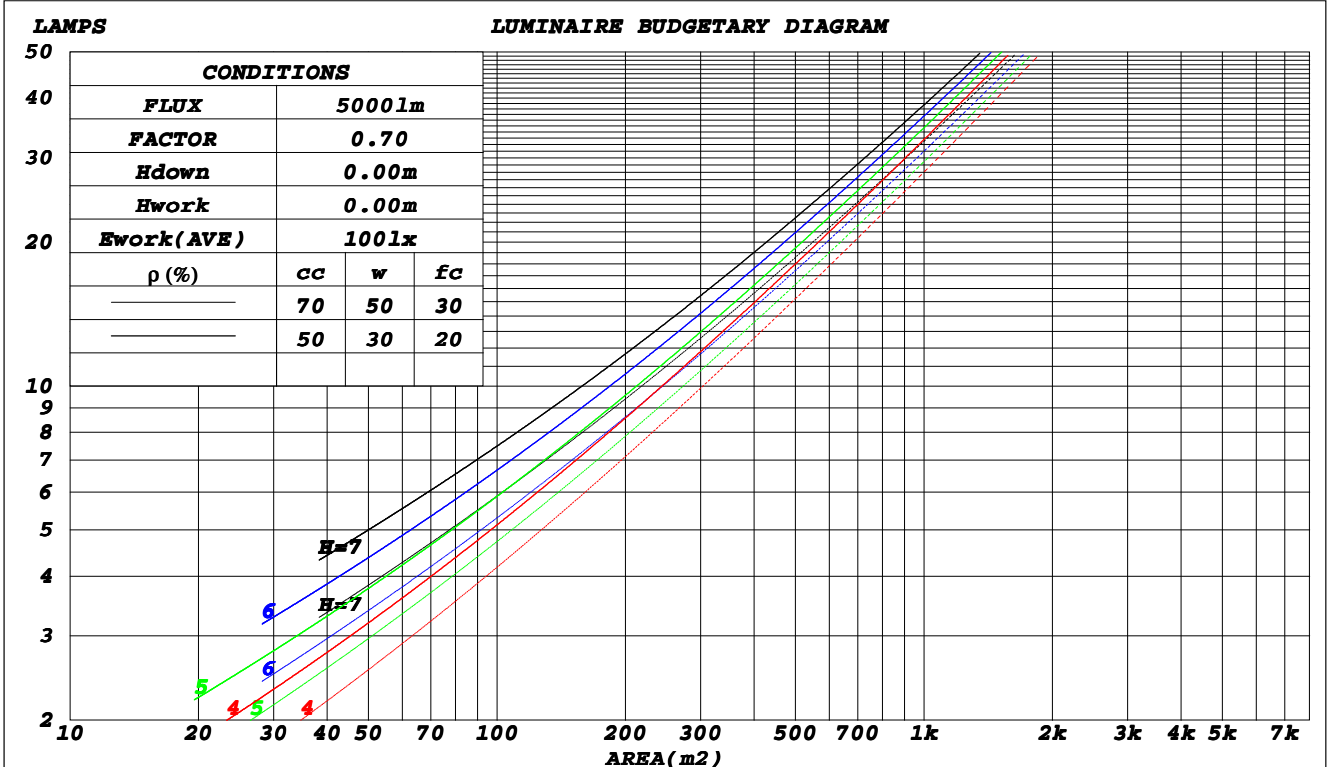
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2020-12-15**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

$\rho_{cc}$	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Coefficients of Utilization(CU)</b>									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.01	.97	.93	.96	.92	.90	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.64	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.62	.58	.56
4.0	.69	.60	.54	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.38	.48	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:

**WEC AND CCEC**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

$\rho_{cc}$	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.312	.178	.056	.304	.174	.055	.290	.166	.053	.276	.159	.051	.263	.153	.049	
2.0	.294	.161	.049	.287	.158	.049	.274	.152	.047	.261	.147	.046	.250	.142	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.243	.133	.041	.233	.129	.040	
4.0	.251	.130	.038	.245	.128	.038	.235	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.232	.118	.034	.227	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.215	.108	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.200	.099	.028	.196	.097	.028	.188	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.163	.084	.024	
9.0	.175	.084	.024	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.155	.076	.021	.150	.075	.021	.145	.073	.021	

$\rho_{cc}$	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0																
1.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
2.0	.194	.154	.120	.166	.132	.103	.114	.092	.072	.066	.053	.042	.021	.017	.014	
3.0	.187	.136	.096	.160	.118	.083	.110	.082	.058	.063	.048	.034	.020	.015	.011	
4.0	.179	.123	.080	.154	.106	.070	.106	.074	.049	.061	.043	.029	.020	.014	.010	
5.0	.172	.113	.069	.148	.098	.060	.102	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.165	.104	.061	.142	.090	.053	.098	.063	.038	.057	.037	.022	.018	.012	.007	
7.0	.158	.098	.055	.136	.085	.048	.094	.059	.034	.055	.035	.020	.018	.011	.007	
8.0	.152	.092	.051	.130	.080	.044	.090	.056	.031	.053	.033	.019	.017	.011	.006	
9.0	.145	.087	.047	.125	.075	.041	.087	.053	.029	.051	.031	.018	.016	.010	.006	
10.0	.140	.083	.045	.120	.072	.039	.084	.051	.028	.049	.030	.017	.016	.010	.005	

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-12-15**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

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
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	21.0	22.5	21.3	22.8	23.0	21.1	22.6	21.4	22.9	23.1
3H	22.6	23.9	22.9	24.2	24.5	22.7	24.1	23.0	24.4	24.6
4H	23.2	24.5	23.5	24.8	25.1	23.3	24.6	23.7	24.9	25.2
6H	23.6	24.8	23.9	25.1	25.5	23.7	25.0	24.1	25.3	25.6
8H	23.7	24.9	24.1	25.2	25.6	23.8	25.0	24.2	25.4	25.7
12H	23.7	24.9	24.1	25.2	25.6	23.9	25.0	24.3	25.4	25.7
4H 2H	21.6	23.0	22.0	23.3	23.6	21.7	23.0	22.1	23.3	23.7
3H	23.4	24.5	23.8	24.9	25.2	23.5	24.6	23.9	25.0	25.3
4H	24.1	25.1	24.5	25.5	25.9	24.2	25.2	24.6	25.6	26.0
6H	24.6	25.5	25.1	26.0	26.4	24.7	25.7	25.2	26.1	26.5
8H	24.8	25.6	25.2	26.1	26.5	24.9	25.8	25.4	26.2	26.6
12H	24.9	25.7	25.3	26.1	26.6	25.0	25.8	25.5	26.2	26.7
8H 4H	24.4	25.2	24.8	25.6	26.1	24.5	25.3	24.9	25.7	26.2
6H	25.0	25.7	25.5	26.2	26.7	25.1	25.8	25.6	26.3	26.8
8H	25.3	25.9	25.8	26.4	26.9	25.4	26.0	25.9	26.5	27.0
12H	25.4	26.0	26.0	26.5	27.0	25.5	26.1	26.0	26.6	27.1
12H 4H	24.4	25.2	24.8	25.6	26.1	24.5	25.2	24.9	25.7	26.2
6H	25.1	25.7	25.6	26.2	26.7	25.2	25.8	25.7	26.3	26.8
8H	25.4	25.9	25.9	26.4	26.9	25.4	26.0	26.0	26.5	27.0
<b>Variations with the observer position at spacings(CIE Pub.117):</b>										
<b>S = 1.0H</b>	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1723 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.9)  
 Area: 0.05 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-12-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7063]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

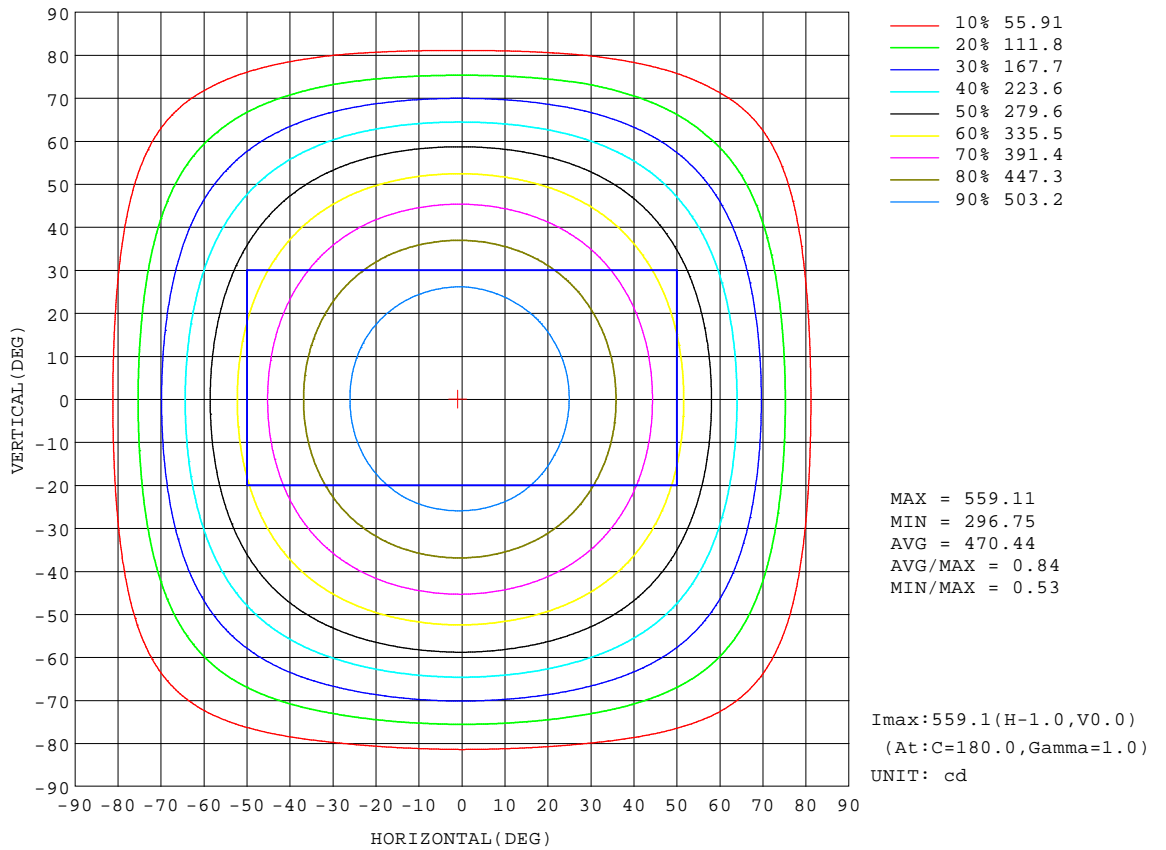
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS(PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	56	44	37	55	44	37	54	43	37	30
<b>0.80</b>	66	54	47	65	54	47	63	53	46	39
<b>1.00</b>	74	63	56	73	62	55	71	64	55	47
<b>1.25</b>	82	71	64	80	70	63	77	68	62	54
<b>1.50</b>	87	77	69	85	76	69	81	73	67	59
<b>2.00</b>	94	85	78	92	84	77	88	81	76	67
<b>2.50</b>	98	90	84	95	88	82	91	85	80	71
<b>3.00</b>	101	94	88	99	92	87	94	89	85	75
<b>4.00</b>	105	99	95	103	97	93	98	94	90	80
<b>5.00</b>	108	103	99	105	101	97	100	96	93	83
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
<b>According to DIN EN 13032-2 2004</b>			<b>Suspended</b>					<b>SHRNM = 1.25</b>		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-12-15**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2020-12-15**

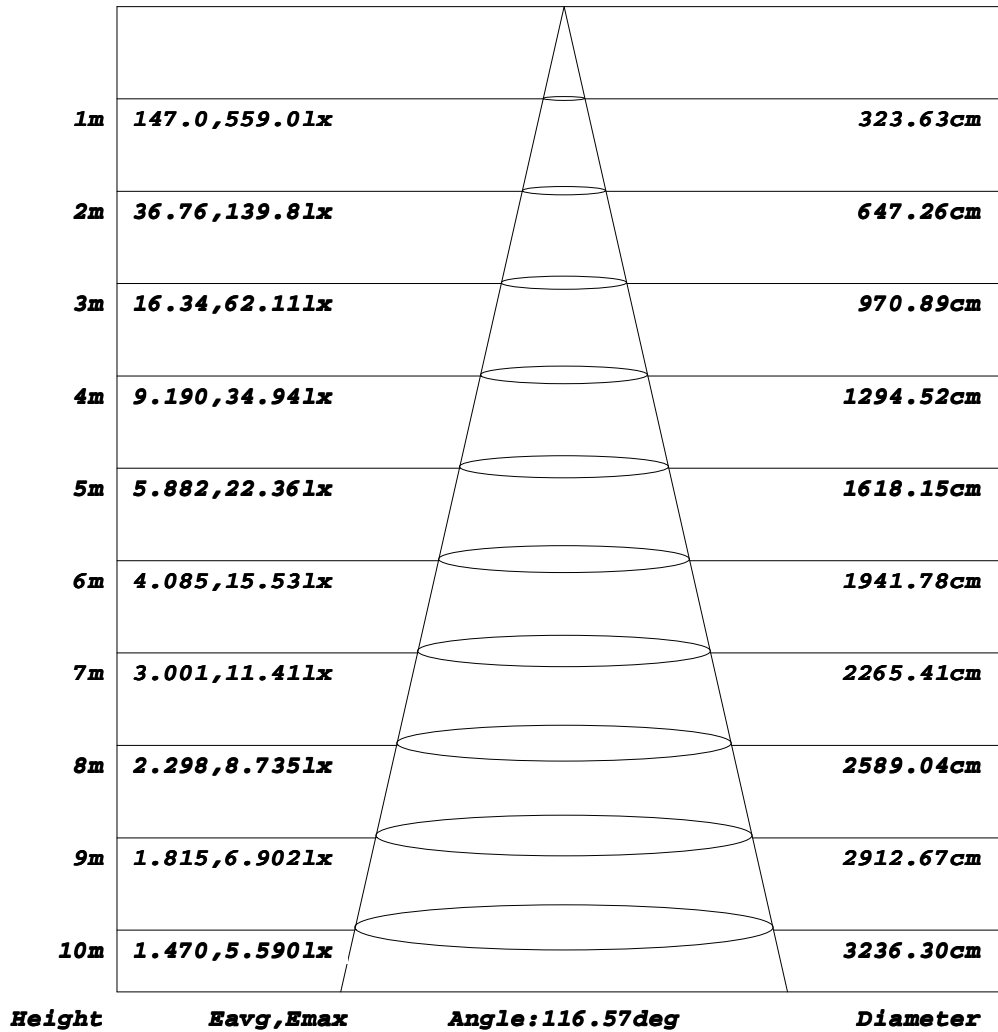
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**



**AAI Figure**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

**Flux out:1280 lm**



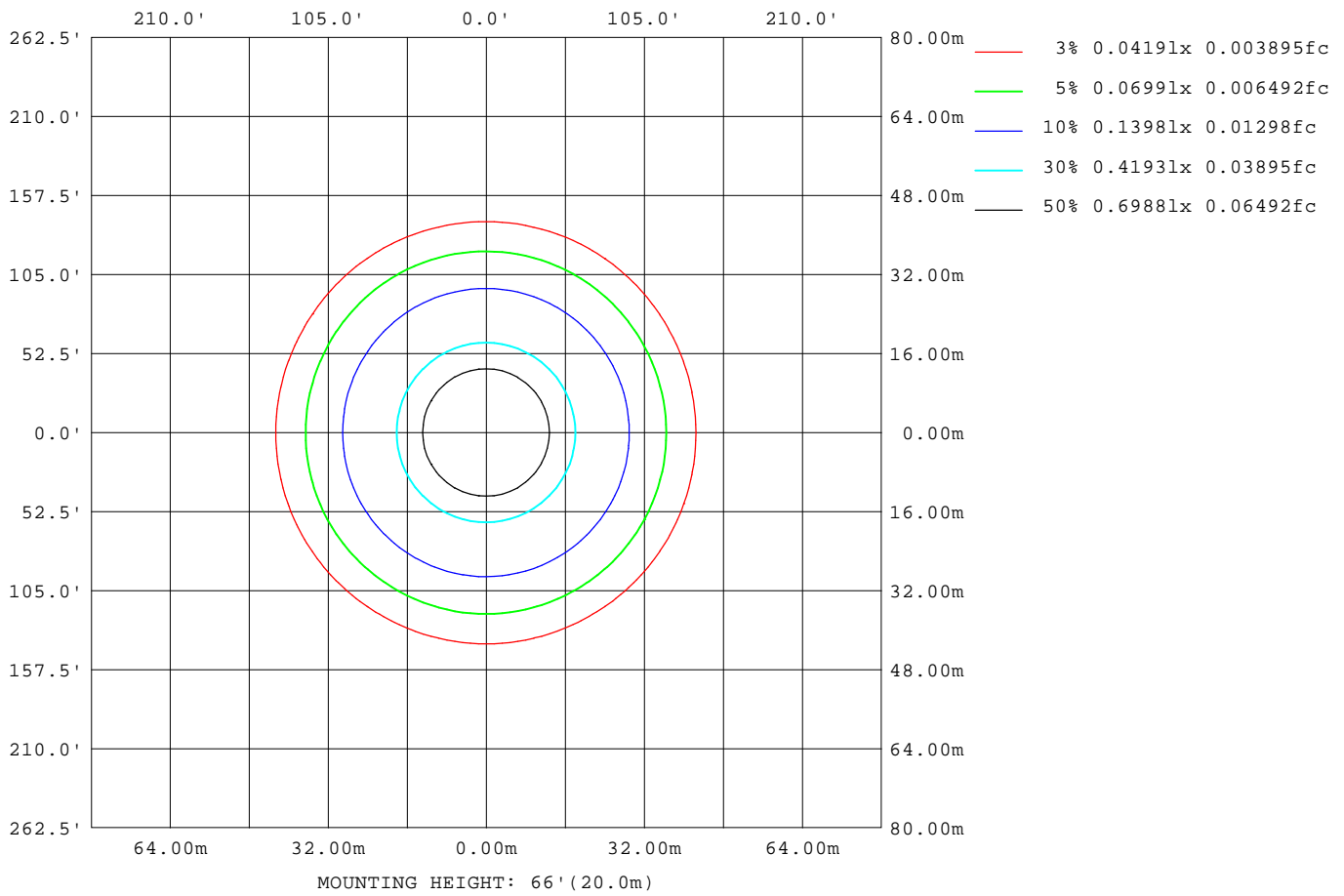
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2020-12-15**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**ISOLUX DIAGRAM**

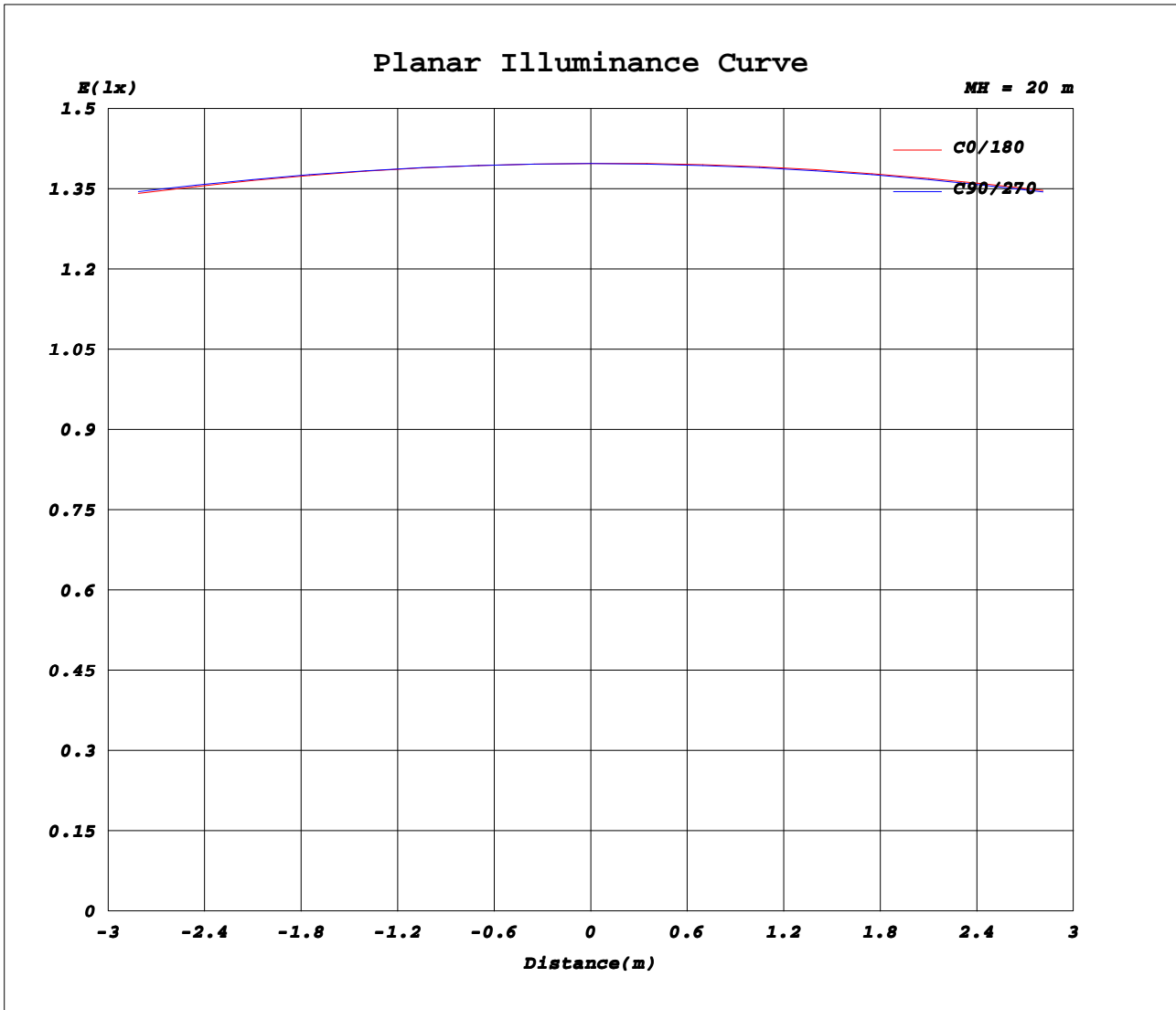
Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2020-12-15**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2020-12-15**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:24.000V I:0.7710A P:18.500W PF:1.0000 Freq:0Hz		
Lamp Flux:1722.93x1 lm		
NAME: FLS200W-WW	TYPE: LED	
MFR.:	DIM.: 1m	

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	559	559	559	559	559	559	559	559	559	559	559	559							
5	556	556	557	557	557	557	557	557	557	557	557	556							
10	549	550	550	551	551	552	552	551	552	551	551	549							
15	537	539	539	541	541	542	542	542	542	540	540	538							
20	522	522	525	525	527	526	526	527	526	526	524	523							
25	503	503	506	507	509	508	507	509	508	508	505	504							
30	479	480	483	485	486	486	485	486	486	485	482	480							
35	452	454	456	459	460	459	458	459	460	459	456	453							
40	421	423	426	428	429	429	427	428	429	428	425	422							
45	386	388	392	394	394	394	393	393	395	394	391	387							
50	348	350	353	356	356	355	355	355	357	355	354	349							
55	307	309	312	314	314	313	312	312	314	313	311	307							
60	262	264	266	269	268	268	266	266	268	267	266	262							
65	214	216	218	220	219	219	217	217	219	218	217	214							
70	164	167	167	170	168	168	166	166	168	167	167	164							
75	114	116	116	118	116	117	115	114	116	115	116	110							
80	65.5	68.7	66.8	69.2	65.8	67.8	66.7	64.7	67.4	65.3	67.2	61.9							
85	26.9	28.4	27.4	28.0	26.5	27.0	26.7	25.5	27.2	25.8	25.7	24.0							
90	5.21	5.65	5.31	4.58	4.94	5.55	6.50	6.15	6.16	4.85	5.96	6.16							
95	4.10	4.11	4.07	4.00	3.98	4.17	5.06	5.13	5.17	5.24	5.09	5.23							
100	4.55	4.45	4.62	4.59	4.55	4.57	5.45	5.49	5.65	5.72	5.55	5.51							
105	5.15	5.06	5.25	5.22	5.19	5.17	5.97	6.04	6.19	6.24	6.08	6.07							
110	5.79	5.70	5.86	5.82	5.83	5.79	6.54	6.61	6.74	6.77	6.61	6.63							
115	6.44	6.35	6.46	6.44	6.48	6.46	7.10	7.20	7.33	7.30	7.16	7.21							
120	7.10	6.99	7.04	7.06	7.13	7.14	7.68	7.80	7.91	7.85	7.69	7.76							
125	7.75	7.59	7.63	7.68	7.78	7.80	8.23	8.40	8.47	8.38	8.22	8.33							
130	8.41	8.22	8.23	8.30	8.43	8.45	8.80	8.98	9.05	8.91	8.76	8.86							
135	9.01	8.83	8.80	8.92	9.04	9.08	9.33	9.54	9.60	9.47	9.28	9.38							
140	9.59	9.43	9.39	9.54	9.66	9.70	9.84	10.0	10.1	10.0	9.81	9.90							
145	10.1	9.99	9.97	10.1	10.3	10.3	10.3	10.6	10.7	10.6	10.4	10.4							
150	10.7	10.5	10.6	10.7	10.8	10.8	10.8	11.0	11.2	11.1	10.9	10.9							
155	11.3	11.1	11.2	11.4	11.4	11.4	11.3	11.5	11.6	11.6	11.4	11.4							
160	11.8	11.7	11.8	11.9	12.0	11.9	11.8	12.0	12.1	12.2	12.0	11.9							
165	12.3	12.2	12.3	12.5	12.5	12.4	12.2	12.4	12.6	12.6	12.5	12.3							
170	12.8	12.7	12.8	12.9	12.9	12.8	12.6	12.8	13.0	13.0	12.9	12.8							
175	13.1	13.1	13.1	13.2	13.2	13.1	13.0	13.1	13.3	13.3	13.2	13.1							
180	13.2	13.3	13.3	13.4	13.4	13.3	13.2	13.2	13.4	13.5	13.5	13.2							

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