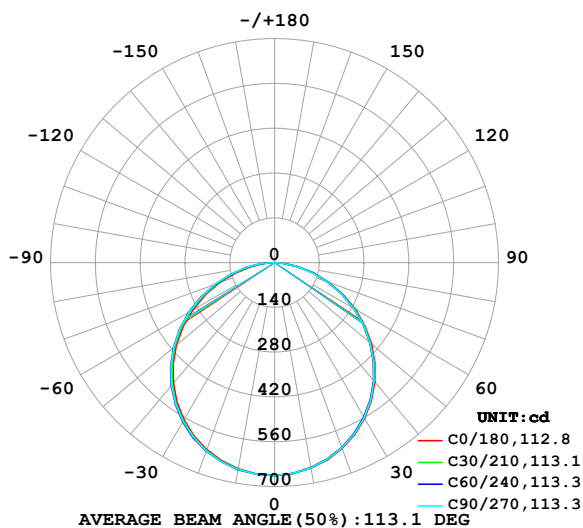


LUMINAIRE PHOTOMETRIC TEST REPORT

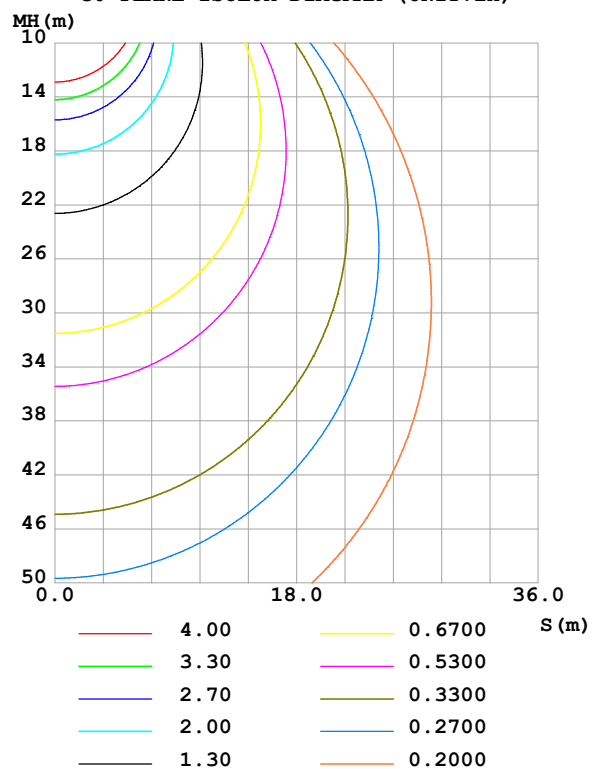
Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.60 lm/W
STRLT-RP1-ST-12-248-WH-120-5S-30K		Imax (cd)	665.1	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1922.0	η UP,DN(C0-180)	0.0,48.9	
NOMINAL FLUX(lm)	1922.03	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down (%)	100.0	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:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	652.5	651.1	651.6	652.6	654.9	656.6	656.5	655.1	0- 10	62.95	62.95	3.28,3.28
20	617.9	615.4	616.0	617.8	622.2	625.9	625.8	622.9	10- 20	180.6	243.6	12.7,12.7
30	562.3	558.5	559.1	561.2	567.5	573.4	573.7	569.4	20- 30	274.5	518.1	27,27
40	487.2	482.3	482.5	484.6	492.7	500.5	501.3	496.3	30- 40	331.9	850.0	44.2,44.2
50	396.1	390.1	389.8	391.6	400.8	410.3	411.9	406.4	40- 50	344.8	1195	62.2,62.2
60	292.4	285.9	284.7	285.9	295.5	306.3	308.7	303.1	50- 60	311.6	1506	78.4,78.4
70	180.8	176.0	174.5	174.4	183.6	195.1	198.1	192.0	60- 70	237.6	1744	90.7,90.7
80	75.57	71.92	70.38	69.81	76.85	88.13	91.96	85.29	70- 80	138.0	1882	97.9,97.9
90	1.228	1.310	1.347	1.270	1.405	2.993	4.661	3.309	80- 90	40.08	1922	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1023.7 lm

%lum = 53.3%

%lamp = 53.3%

Conical surface Flux(130deg): 1636.5 lm

%lum = 85.1%

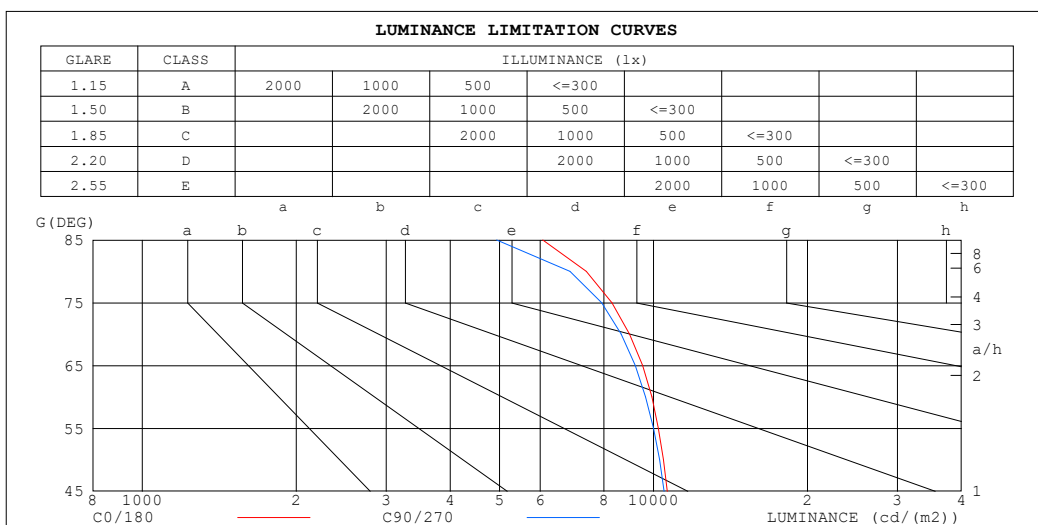
%lamp = 85.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2026-01-24

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.144m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6071	4930
80	7383	6866
75	8284	7915
70	8969	8645
65	9522	9206
60	9921	9647
55	10218	9994
50	10455	10272
45	10642	10491

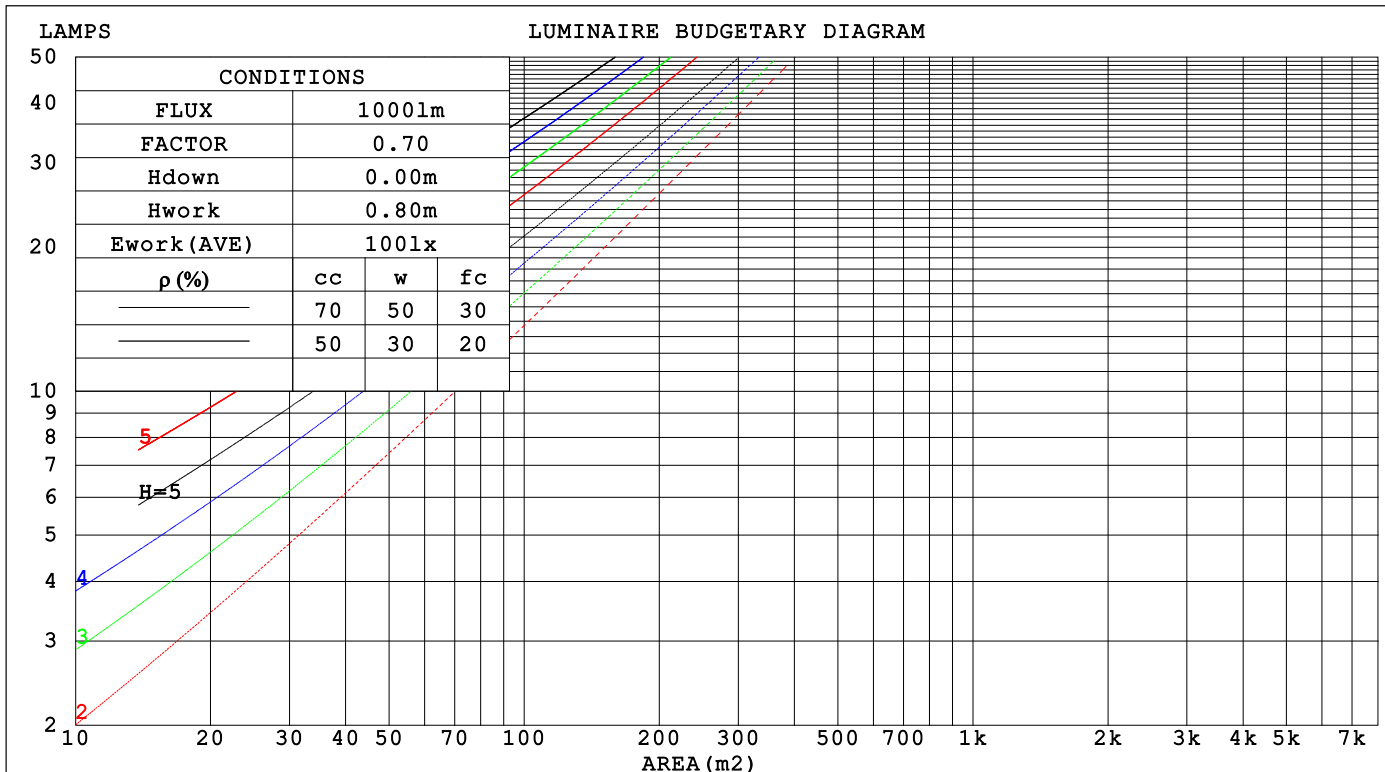
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83														
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69														
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58														
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50														
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43														
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37														
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33														
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29														
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26														
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24														



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.313	.178	.056	.306	.175	.055	.293	.168	.054	.280	.162	.052	.269	.156	.050		
2.0	.294	.161	.049	.288	.158	.049	.276	.153	.048	.265	.149	.047	.255	.144	.045		
3.0	.272	.145	.043	.266	.142	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.231	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.214	.107	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.199	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.174	.084	.024	.172	.084	.023	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	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	.181	.156	.134	.154	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015		
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011		
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009		
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007		
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006		
6.0	.143	.082	.039	.122	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004		
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003		
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm										
NAME: STRLT-RP1-ST-12-248-WH-120-5SV					TYPE:			WEIGHT:		
SPEC.: 12"24W					DIM.:			SERIAL No.: 1#30K		
MFR.: YOURZOR					SUR.: 0.274			Shielding Angle:		
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
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.6	20.1	18.9	20.3	20.5	18.5	20.0	18.8	20.2	20.4
3H	20.1	21.5	20.4	21.7	22.0	19.9	21.4	20.2	21.6	21.8
4H	20.7	22.0	21.0	22.3	22.5	20.5	21.9	20.8	22.1	22.4
6H	21.1	22.3	21.4	22.6	22.9	20.9	22.1	21.2	22.4	22.7
8H	21.1	22.4	21.5	22.6	22.9	20.9	22.1	21.3	22.4	22.7
12H	21.2	22.4	21.5	22.7	23.0	20.9	22.1	21.3	22.4	22.7
4H 2H	19.2	20.5	19.5	20.8	21.0	19.1	20.4	19.4	20.7	20.9
3H	20.8	22.0	21.2	22.3	22.6	20.7	21.9	21.1	22.2	22.5
4H	21.5	22.6	21.9	22.9	23.3	21.4	22.5	21.8	22.8	23.1
6H	22.0	23.0	22.4	23.4	23.7	21.9	22.8	22.3	23.2	23.5
8H	22.2	23.1	22.6	23.4	23.8	21.9	22.8	22.4	23.2	23.6
12H	22.3	23.1	22.7	23.5	23.9	22.0	22.8	22.4	23.2	23.6
8H 4H	21.8	22.7	22.2	23.0	23.4	21.7	22.5	22.1	22.9	23.3
6H	22.4	23.1	22.8	23.5	24.0	22.2	23.0	22.7	23.4	23.8
8H	22.6	23.2	23.0	23.7	24.1	22.4	23.0	22.8	23.4	23.9
12H	22.7	23.3	23.2	23.7	24.2	22.5	23.0	22.9	23.5	23.9
12H 4H	21.8	22.6	22.2	23.0	23.4	21.7	22.5	22.1	22.9	23.3
6H	22.4	23.1	22.9	23.5	23.9	22.3	22.9	22.7	23.3	23.8
8H	22.6	23.2	23.1	23.6	24.1	22.4	23.0	22.9	23.4	23.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1922 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.3)
Area: 0.059 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

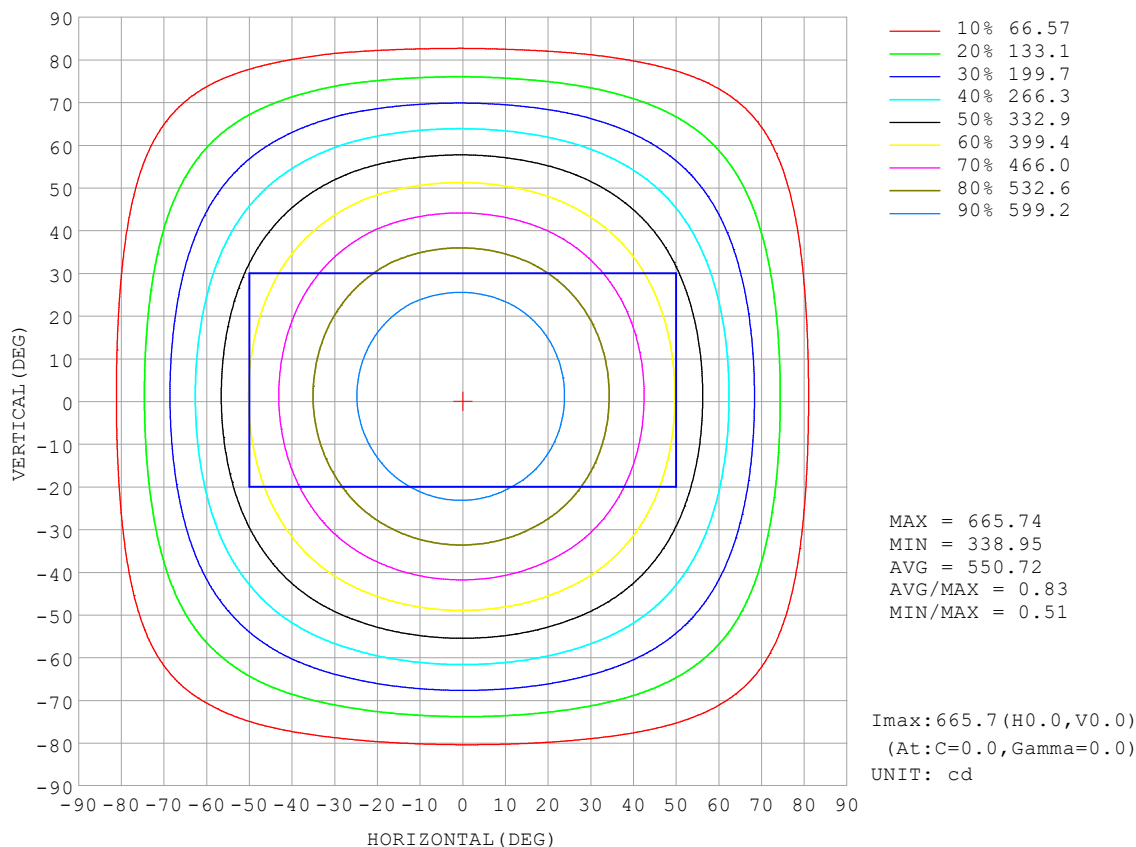
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: DAMIN
Test Date: 2026-01-24

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.144m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

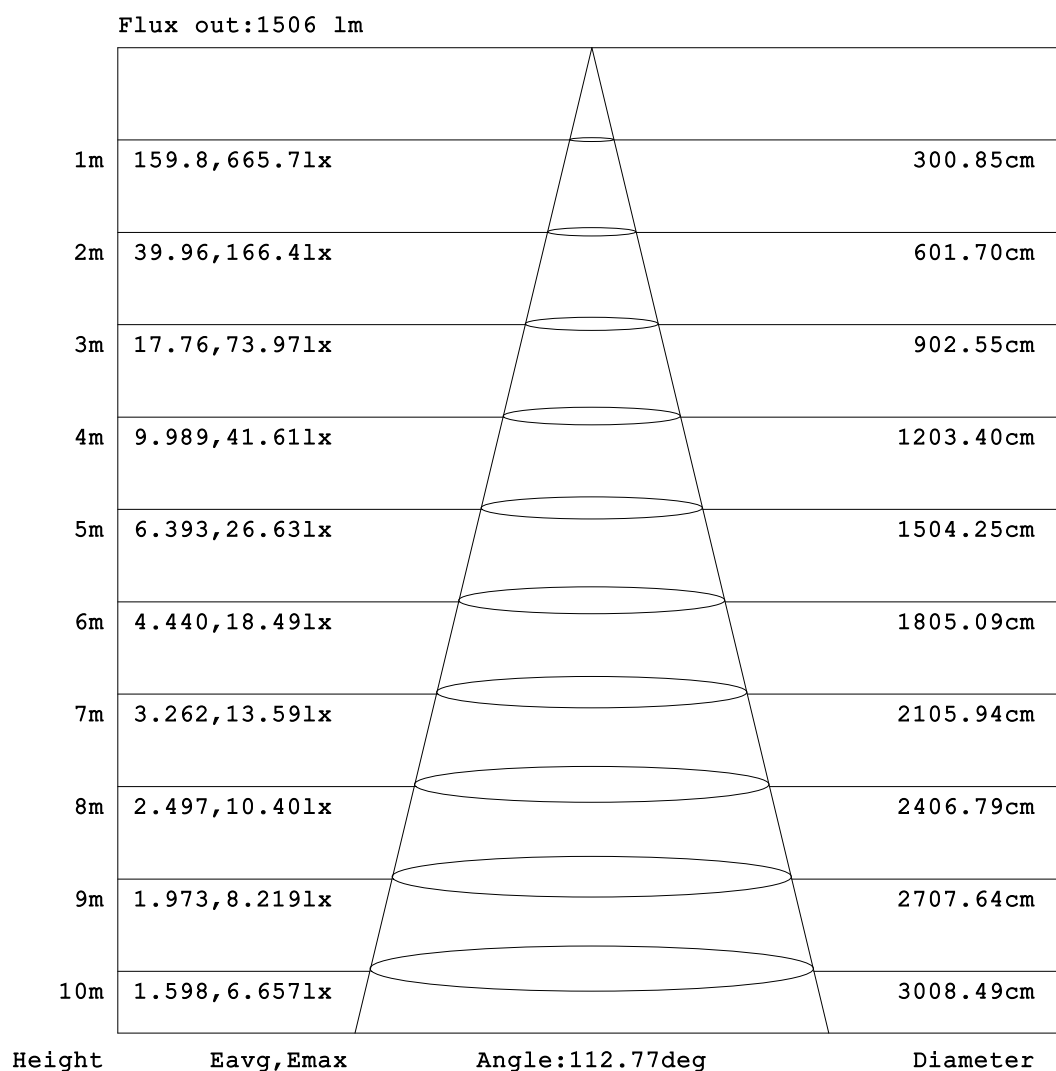


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

AAI Figure

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



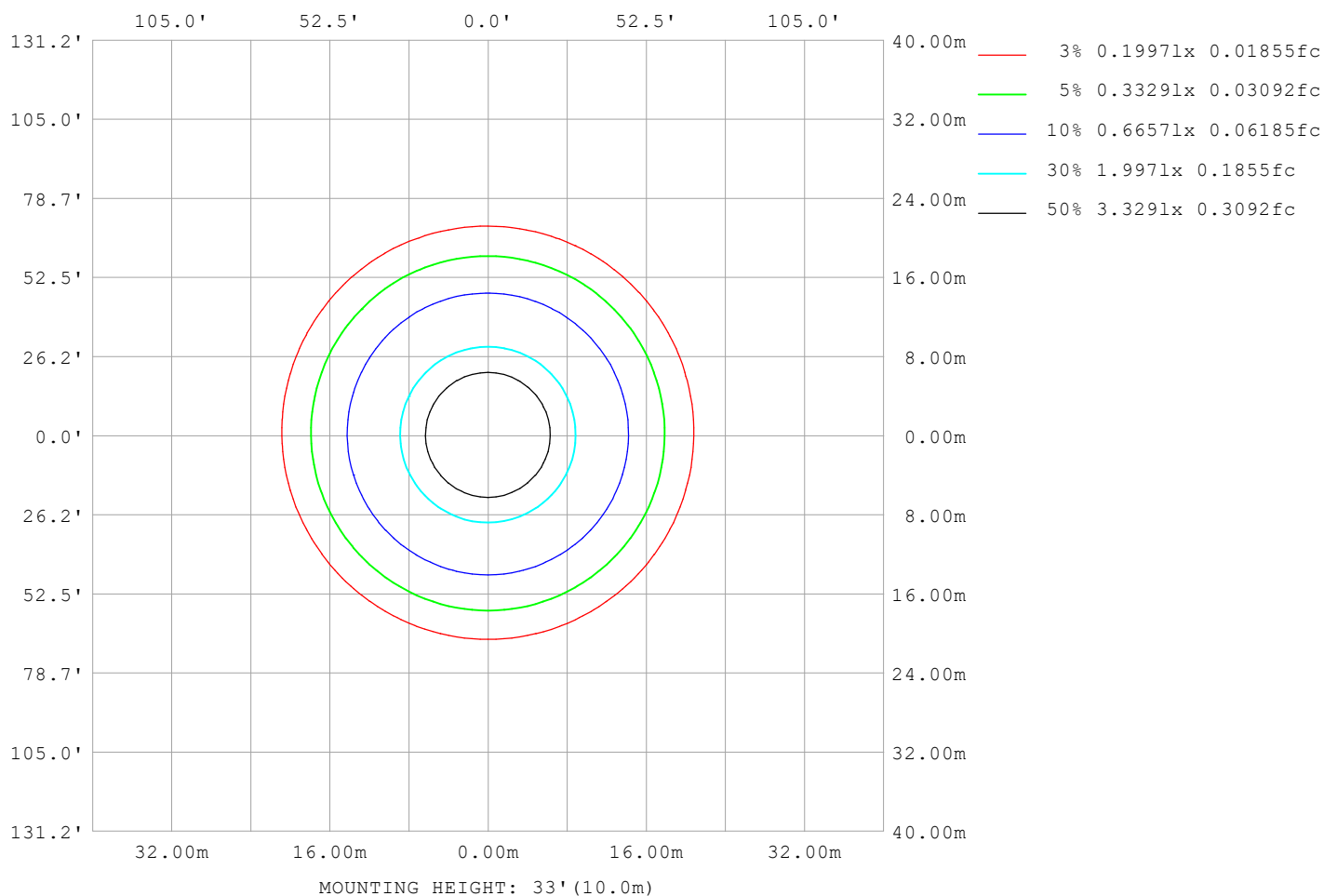
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:121.02V I:0.2171A P:24.147W PF:0.9190 Freq:60.00Hz Lamp Flux:1922.03x1 lm		
NAME: STRLT-RP1-ST-12-248-WH-120-5SV	TYPE:	WEIGHT:
SPEC.: 12"24W	DIM.:	SERIAL No.: 1#30K
MFR.: YOURZOR	SUR.: 0.274	Shielding Angle:

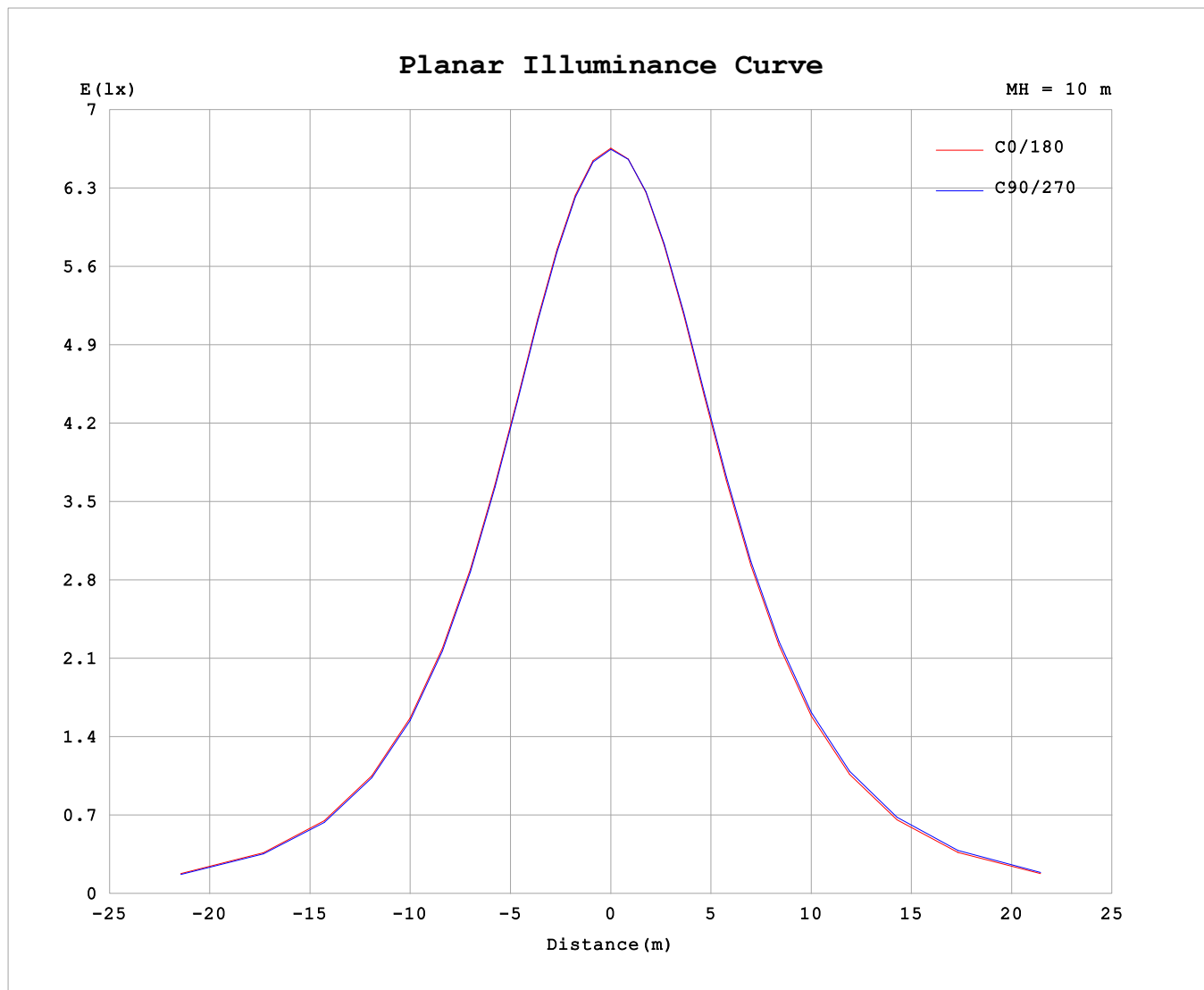
AvgL	cd/m2
L_0~180 (65) av	9564
L_0~180 (75) av	8340
L_0~180 (85) av	6118
L_90~270 (65) av	9692
L_90~270 (75) av	8661
L_90~270 (85) av	6767
L_45 (65) av	9628
L_45 (75) av	8515
L_45 (85) av	6446

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-01-24

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2026-01-24

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.144m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.144m [K=1.0000]
Remarks:

```