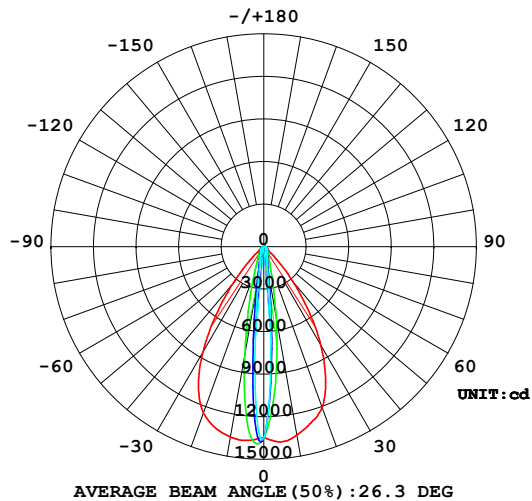


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

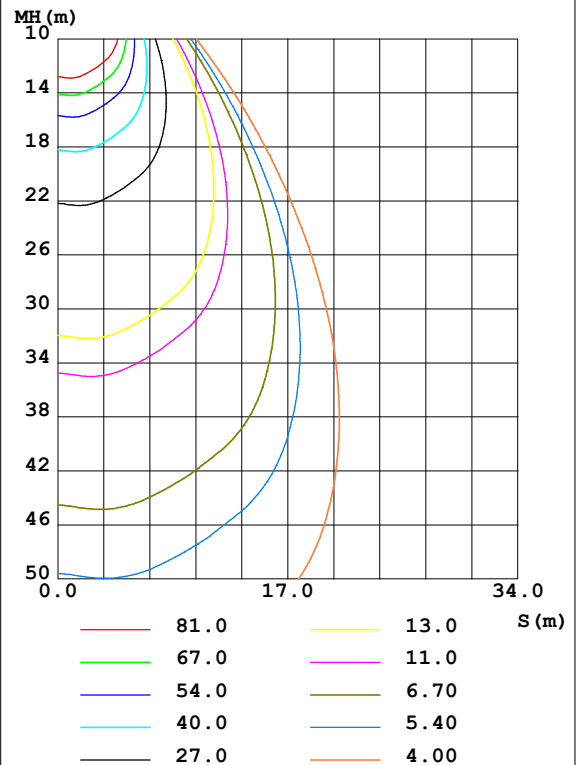
DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.25 lm/W			
L2895-56WDE36-WR-60*10-OSRAM-4000K		Imax(cd)	14163	S/MH(C0/180)	0.98
NOMINAL POWER(W)	55	LOR(%)	100.0	S/MH(C90/270)	0.18
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3940.5	□ UP,DN(C0-180)	0.0,46.8
NOMINAL FLUX(lm)	3940.48	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,53.2
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	□ down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



— C0/180,66.1 Ic=13492  
 — C30/210,18.6 Ic=13922  
 — C60/240,11.0 Ic=13784  
 — C90/270,9.6 Ic=13611

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-11-08

□ Range: 0 - 90DEG  
 □ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity:65.0%  
 Test Distance:11.635m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1348	292.7	158.5	351.9	1363	456.2	210.9	391.4	0- 10	778.9	778.9	19.8,19.8
20	1205	88.65	71.69	89.30	1247	107.1	78.11	99.91	10- 20	1033	1812	46,46
30	806.6	52.81	41.02	53.03	859.5	57.62	44.34	55.84	20- 30	900.0	2712	68.8,68.8
40	316.0	32.30	28.58	32.00	340.0	34.73	30.10	33.54	30- 40	590.0	3302	83.8,83.8
50	45.49	21.86	20.52	21.84	49.69	22.91	20.93	21.94	40- 50	298.3	3600	91.4,91.4
60	18.54	13.72	13.58	14.01	19.57	14.31	13.60	13.52	50- 60	169.1	3769	95.7,95.7
70	10.01	7.200	6.483	7.520	10.69	7.464	6.372	7.041	60- 70	108.6	3878	98.4,98.4
80	3.808	2.026	1.695	2.319	4.061	2.013	1.615	1.880	70- 80	49.24	3927	99.7,99.7
90	0.7849	0.8980	0.9640	0.9697	0.6143	0.5470	0.8999	0.5456	80- 90	13.32	3940	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:×10cd									UNIT:lm		

Conical surface Flux(90deg): 3478.7 lm

%lum = 88.3%

%lamp = 88.3%

Conical surface Flux(120deg): 3769.3 lm

%lum = 95.7%

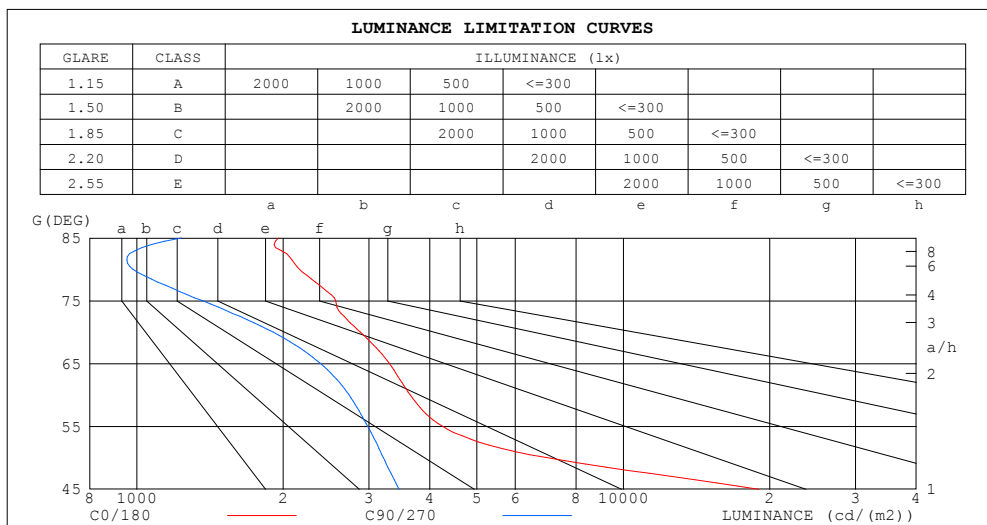
%lamp = 95.7%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-11-08

□ Range: 0 - 90DEG  
 □ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity:65.0%  
 Test Distance:11.635m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1955	1234
80	2159	982
75	2565	1366
70	2882	1907
65	3307	2387
60	3650	2731
55	4249	2985
50	6966	3212
45	18966	3459

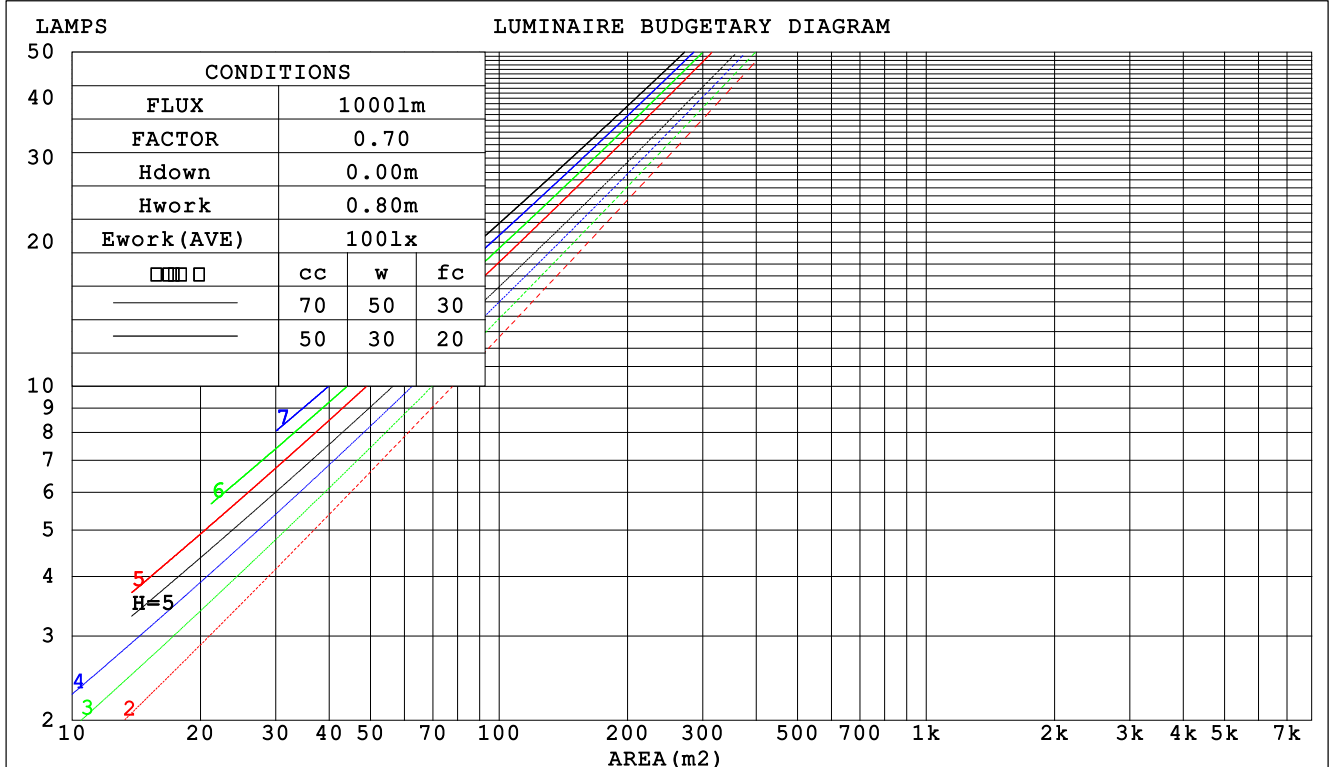
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.635m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

□ Range: 0 - 90DEG  
□ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.635m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.190 .108 .034	.183 .104 .033	.170 .098 .031	.159 .091 .029	.148 .086 .028	
2.0	.180 .099 .030	.174 .096 .030	.164 .091 .028	.154 .086 .027	.145 .082 .026	
3.0	.169 .090 .027	.165 .088 .027	.155 .084 .026	.147 .081 .025	.139 .077 .024	
4.0	.159 .083 .024	.155 .081 .024	.147 .078 .023	.140 .075 .023	.133 .072 .022	
5.0	.150 .077 .022	.147 .075 .022	.140 .073 .021	.133 .070 .021	.127 .068 .020	
6.0	.142 .071 .020	.139 .070 .020	.133 .068 .020	.127 .066 .019	.122 .064 .019	
7.0	.134 .066 .019	.132 .066 .019	.126 .064 .018	.121 .062 .018	.117 .061 .018	
8.0	.127 .062 .018	.125 .062 .017	.120 .060 .017	.116 .059 .017	.112 .057 .017	
9.0	.121 .059 .016	.119 .058 .016	.115 .057 .016	.111 .056 .016	.107 .054 .016	
10.0	.116 .055 .015	.114 .055 .015	.110 .054 .015	.106 .053 .015	.103 .052 .015	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	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	.172 .157 .144	.147 .135 .124	.101 .093 .086	.058 .054 .050	.019 .017 .016	
2.0	.157 .132 .112	.135 .114 .096	.092 .079 .067	.053 .046 .039	.017 .015 .013	
3.0	.145 .114 .089	.124 .098 .077	.085 .068 .054	.049 .040 .032	.016 .013 .010	
4.0	.135 .099 .072	.116 .086 .062	.080 .060 .044	.046 .035 .026	.015 .011 .009	
5.0	.126 .087 .059	.108 .076 .051	.074 .053 .036	.043 .031 .022	.014 .010 .007	
6.0	.118 .078 .049	.101 .068 .043	.070 .047 .030	.041 .028 .018	.013 .009 .006	
7.0	.111 .070 .042	.096 .061 .037	.066 .043 .026	.038 .025 .015	.012 .008 .005	
8.0	.105 .064 .036	.090 .056 .031	.063 .039 .022	.036 .023 .013	.012 .008 .004	
9.0	.099 .059 .031	.086 .051 .027	.059 .036 .019	.035 .021 .012	.011 .007 .004	
10.0	.095 .054 .028	.082 .047 .024	.057 .033 .017	.033 .020 .010	.011 .006 .003	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.635m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm										
NAME: S10-32-6 L2895 4000K 1.2M					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Traxon Technologies					SUR.:			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	11.2	12.2	11.5	12.4	12.5	7.1	8.1	7.3	8.2	8.4
3H	11.7	12.6	11.9	12.8	13.0	8.0	8.9	8.3	9.1	9.3
4H	11.9	12.7	12.1	12.9	13.1	8.3	9.1	8.6	9.3	9.6
6H	12.0	12.8	12.3	13.0	13.3	8.4	9.1	8.7	9.4	9.6
8H	12.0	12.8	12.3	13.0	13.3	8.4	9.1	8.7	9.4	9.7
12H	12.0	12.8	12.4	13.0	13.3	8.4	9.1	8.7	9.4	9.7
4H 2H	11.2	12.1	11.5	12.3	12.5	7.6	8.5	7.9	8.7	8.9
3H	11.8	12.5	12.1	12.8	13.1	8.7	9.4	9.0	9.7	10.0
4H	12.0	12.7	12.4	13.0	13.3	9.0	9.6	9.3	9.9	10.3
6H	12.2	12.8	12.6	13.2	13.5	9.1	9.7	9.5	10.0	10.4
8H	12.3	12.8	12.7	13.2	13.6	9.1	9.7	9.5	10.0	10.4
12H	12.3	12.8	12.7	13.2	13.6	9.2	9.7	9.6	10.1	10.5
8H 4H	12.0	12.6	12.4	12.9	13.3	9.1	9.7	9.5	10.0	10.4
6H	12.2	12.7	12.7	13.1	13.5	9.3	9.8	9.7	10.2	10.6
8H	12.3	12.7	12.8	13.1	13.6	9.4	9.8	9.8	10.2	10.6
12H	12.4	12.7	12.9	13.2	13.6	9.5	9.8	9.9	10.2	10.7
12H 4H	12.0	12.5	12.4	12.8	13.2	9.1	9.6	9.5	10.0	10.4
6H	12.2	12.6	12.7	13.0	13.5	9.3	9.7	9.7	10.1	10.6
8H	12.3	12.6	12.8	13.1	13.6	9.4	9.7	9.8	10.2	10.6
Variations with the observer position at spacings:										
S = 1.0H	+ 6.1 / - 4.3					+ 0.3 / - 0.4				
1.5H	+ 8.2 / - 4.7					+ 0.1 / - 0.2				
2.0H	+ 7.5 / - 1.9					+ 0.5 / - 0.5				

CIE Pub.117, 3940 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 4.8$ )  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.635m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

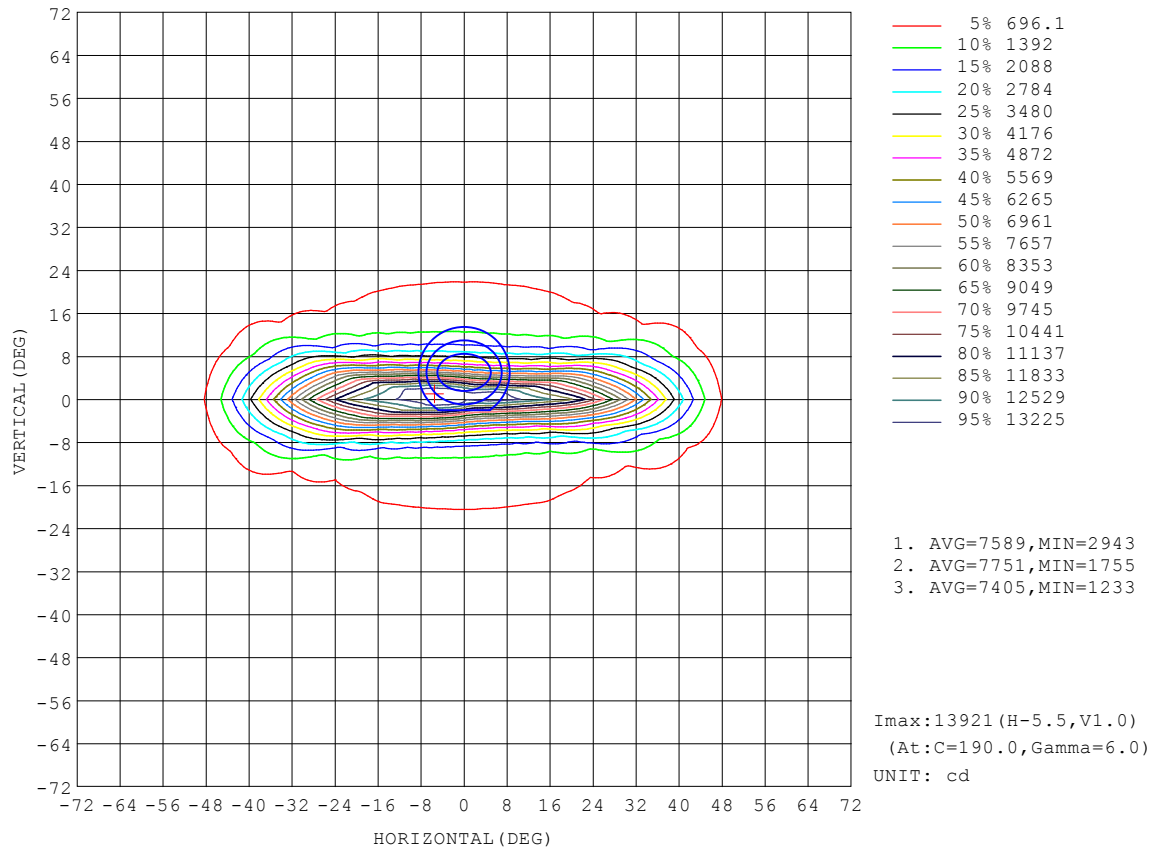
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	70	81	74	70	80	73	69	65
0.80	89	83	78	89	82	78	87	82	78	73
1.00	95	88	84	94	88	84	92	88	83	79
1.25	99	93	89	98	93	89	96	91	88	83
1.50	103	97	93	101	96	92	99	95	91	86
2.00	106	101	97	105	100	97	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	105	102	105	102	100	93
4.00	112	109	106	110	107	105	107	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 11.635m [K=1.0000]  
 Remarks:

### ISOCANDELA DIAGRAM

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



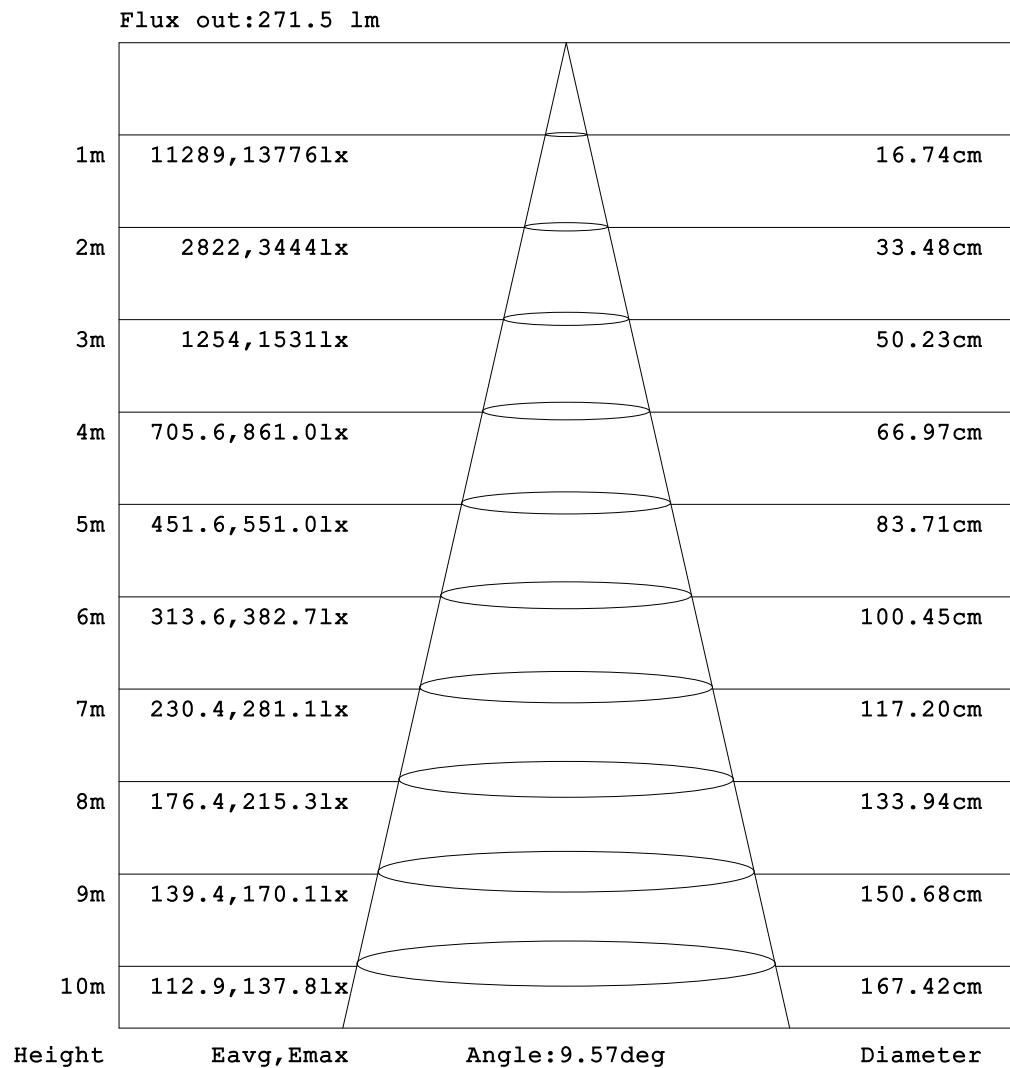
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.635m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



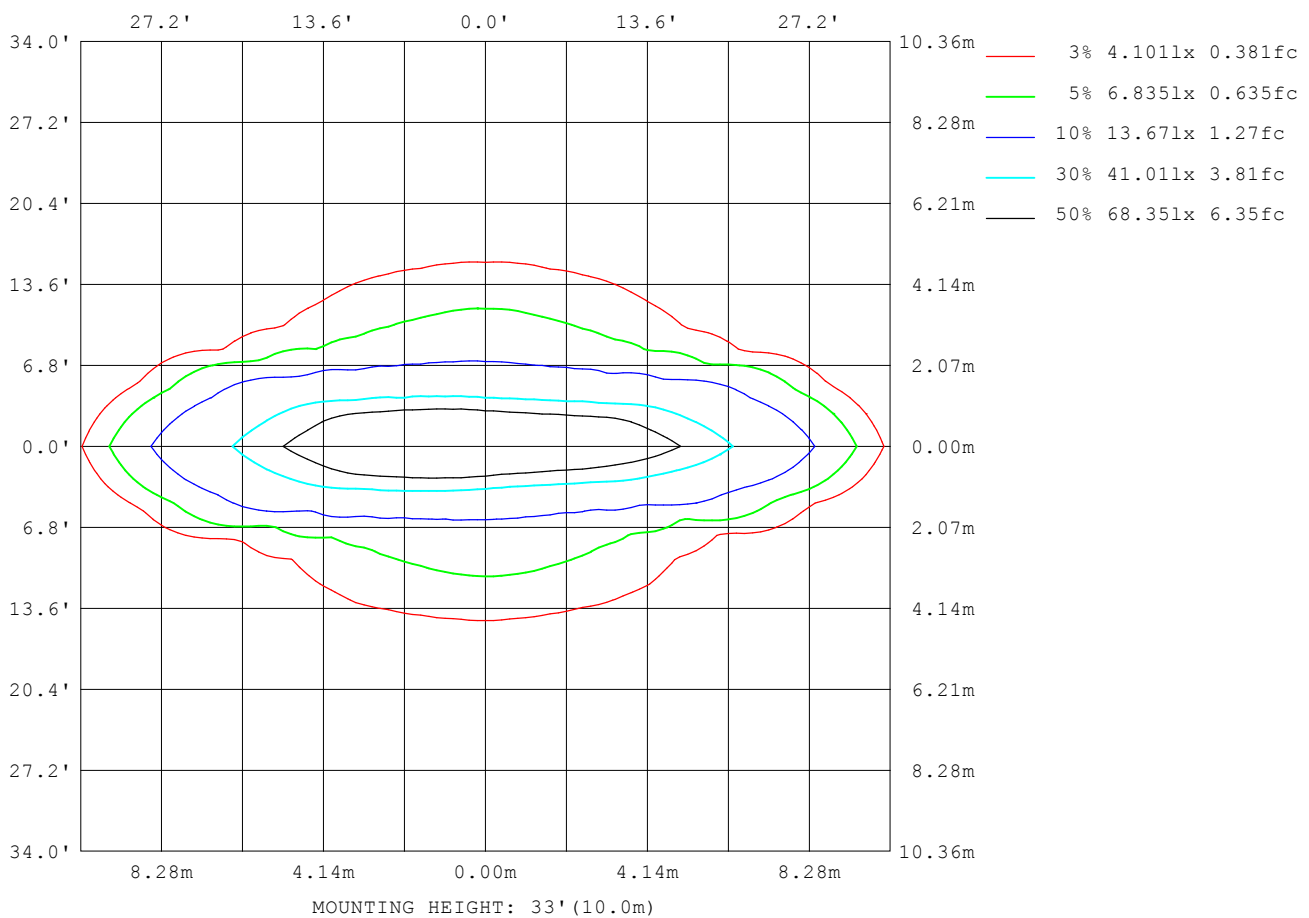
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 11.635m [K=1.0000]  
 Remarks:

# ISOLUX DIAGRAM

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity:65.0%  
 Test Distance:11.635m [K=1.0000]  
 Remarks:

### LED Avg.L Report

Test:U:220.89V I:0.2326A P:50.360W PF:0.9803 Freq:50.01Hz Lamp Flux:3940.48x1 lm		
NAME: S10-32-6 L2895 4000K 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

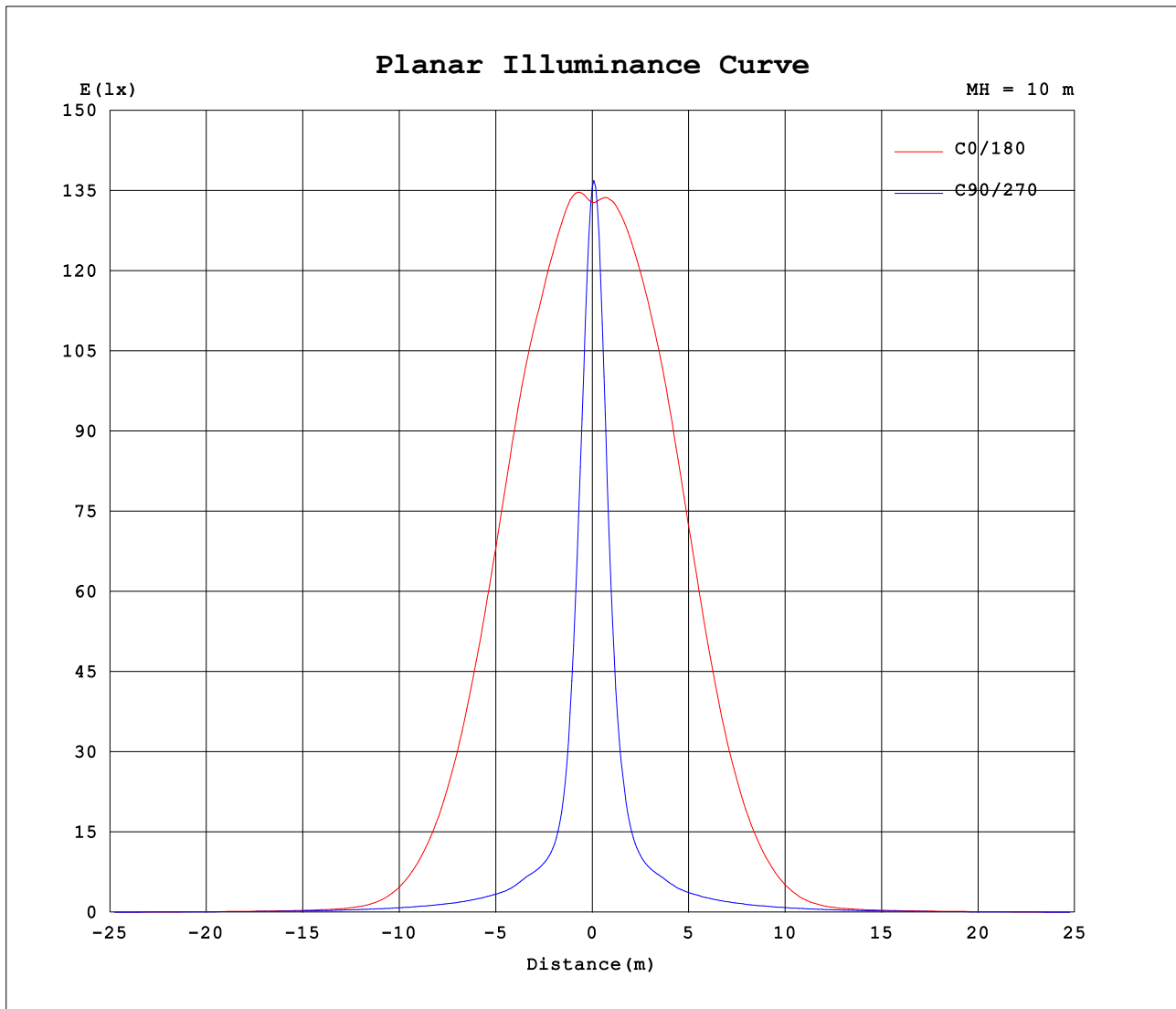
AvgL	cd/m2
L_0~180 (65) av	3458
L_0~180 (75) av	2652
L_0~180 (85) av	1921
L_90~270 (65) av	2372
L_90~270 (75) av	1327
L_90~270 (85) av	1249
L_45 (65) av	2467
L_45 (75) av	1695
L_45 (85) av	1012

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.635m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 11.635m [K=1.0000]  
 Remarks:

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

```

```

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

```