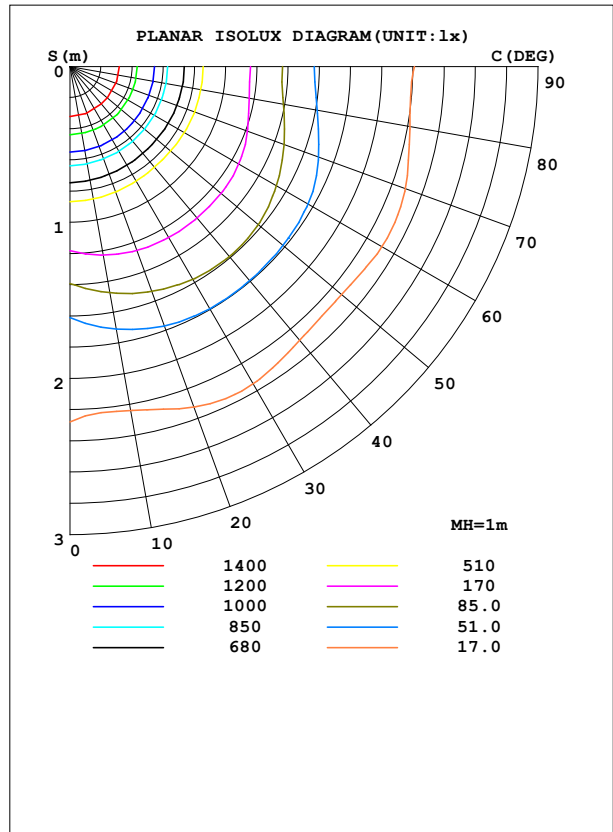
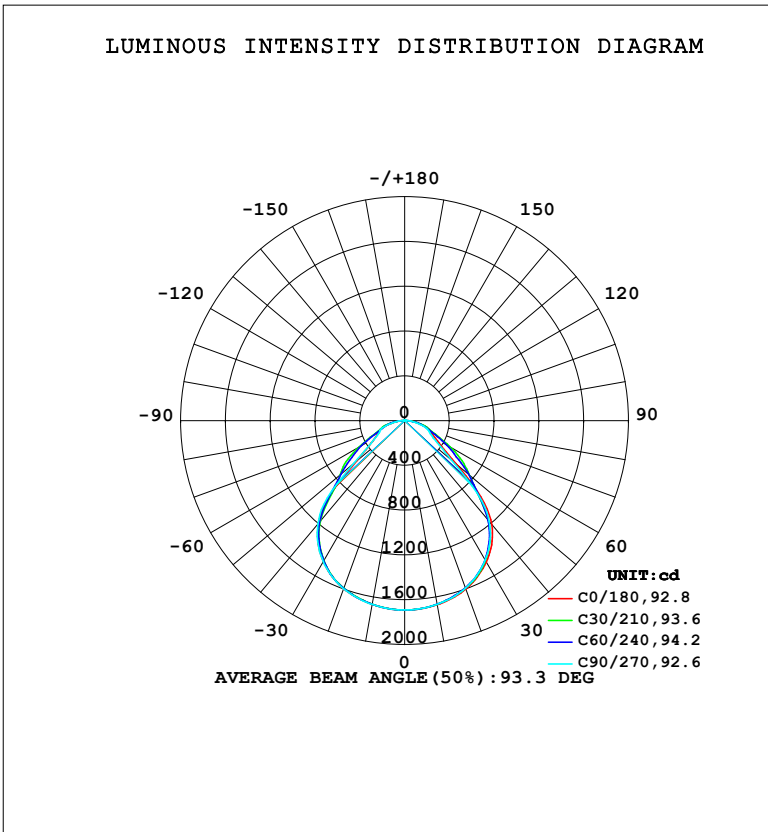


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	1691	S/MH (C0/180)	1.27
NOMINAL POWER (W)	36	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	3924.4	<input type="checkbox"/> UP, DN (C0-180)	0.4,49.1
NOMINAL FLUX (lm)	3924.43	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.5,49.9
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		<input type="checkbox"/> down (%)	99.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: CJS
 Test Date: 2023-12-0

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

☐	C0	C45	C90	C135	C180	C225	C270	C315	☐	☐ zone	☐ total	%lum,lamp
10	1670	1665	1666	1663	1666	1665	1667	1668	0- 10	160.2	160.2	4.08,4.08
20	1601	1590	1592	1587	1597	1591	1598	1594	10- 20	462.1	622.3	15.9,15.9
30	1458	1438	1439	1436	1454	1443	1455	1453	20- 30	705.2	1328	33.8,33.8
40	1210	1147	1176	1154	1199	1167	1206	1188	30- 40	830.6	2158	55,55
50	599.9	749.2	544.1	720.6	561.5	738.2	586.2	743.0	40- 50	719.8	2878	73.3,73.3
60	317.6	469.8	287.2	460.7	301.4	476.4	296.4	494.2	50- 60	480.9	3359	85.6,85.6
70	232.9	205.9	212.9	204.0	231.4	202.4	227.1	214.9	60- 70	296.6	3655	93.1,93.1
80	110.8	122.2	94.12	112.9	103.8	123.5	103.1	132.0	70- 80	172.9	3828	97.6,97.6
90	5.178	5.150	4.977	5.096	11.32	5.163	6.269	11.96	80- 90	59.45	3888	99.1,99.1
100	4.863	4.917	4.791	5.034	5.158	5.399	4.978	5.246	90-100	5.642	3893	99.2,99.2
110	4.836	4.803	4.791	4.910	6.028	6.145	5.724	6.091	100-110	5.481	3899	99.4,99.4
120	4.894	4.737	4.791	4.795	7.023	6.644	6.376	7.023	110-120	5.582	3905	99.5,99.5
130	4.951	4.748	4.791	4.816	7.893	6.620	7.526	7.388	120-130	5.299	3910	99.6,99.6
140	5.169	4.768	5.178	4.837	8.263	6.518	7.610	7.306	130-140	4.854	3915	99.8,99.8
150	5.265	5.028	5.312	5.159	8.263	6.518	8.167	7.272	140-150	4.050	3919	99.9,99.9
160	6.272	5.318	5.975	5.283	8.263	6.518	8.263	7.326	150-160	3.060	3922	99.9,99.9
170	7.120	5.995	6.910	5.970	8.263	6.518	7.376	7.331	160-170	1.963	3924	100,100
180	7.331	6.270	7.217	6.153	8.201	6.332	7.217	6.837	170-180	0.6752	3924	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2553.2 lm

%lum = 65.1%

%lamp = 65.1%

Conical surface Flux(130deg): 3528.6 lm

%lum = 89.9%

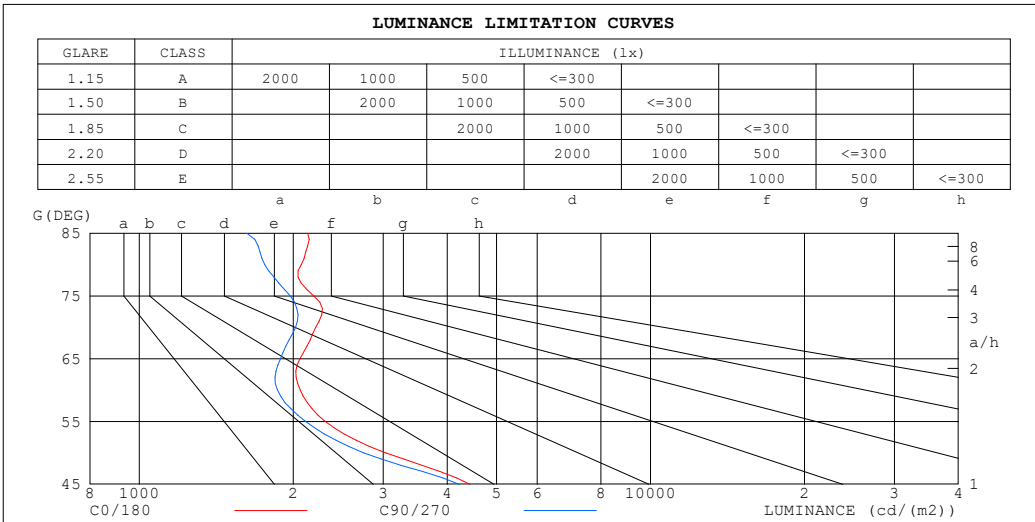
%lamp = 89.9%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

☐ Range: 0 - 180DEG
 ☐ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2135	1623
80	2073	1760
75	2194	1973
70	2213	2020
65	2063	1889
60	2065	1864
55	2311	2115
50	3034	2748
45	4432	4222

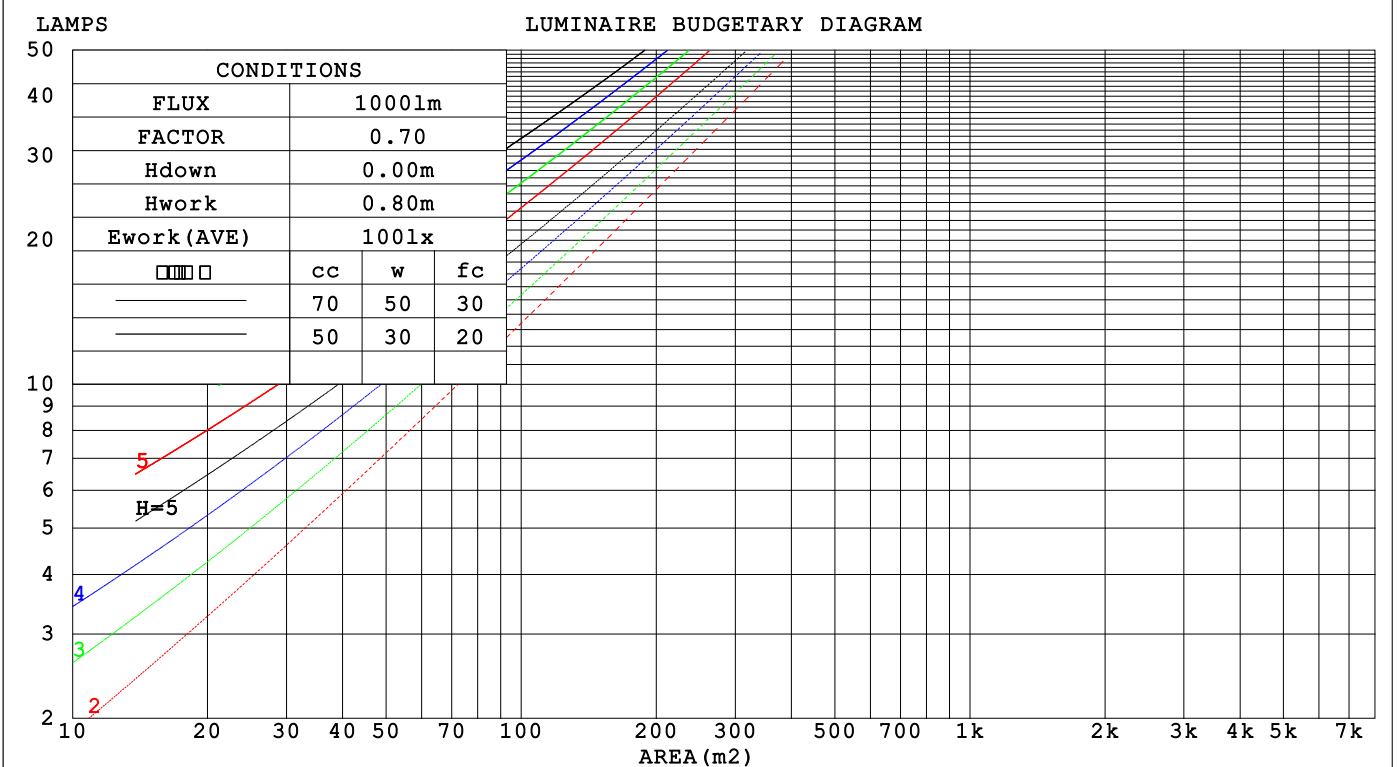
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	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 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	1.01	1.01	1.01	.99
1.0	1.06	1.02	.98	1.03	.00	.97	.99	.96	.93	.95	.92	.90	.91	.89	.88	.85
2.0	.94	.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	.68	.59	.53	.66	.59	.53	.64	.57	.52	.62	.56	.52	.60	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.57	.51	.46	.55	.50	.45	.43
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	.33	.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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	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	.274 .156 .049	.267 .152 .048	.253 .145 .046	.241 .139 .045	.229 .133 .043	
2.0	.260 .142 .044	.253 .140 .043	.241 .134 .042	.230 .129 .040	.220 .125 .039	
3.0	.243 .129 .039	.237 .127 .038	.227 .123 .037	.217 .119 .036	.208 .115 .036	
4.0	.226 .118 .035	.221 .116 .034	.212 .112 .034	.203 .109 .033	.195 .106 .032	
5.0	.211 .108 .031	.207 .106 .031	.198 .103 .030	.191 .101 .030	.184 .098 .029	
6.0	.197 .099 .028	.194 .098 .028	.186 .095 .028	.179 .093 .027	.173 .091 .027	
7.0	.185 .092 .026	.182 .091 .026	.175 .089 .025	.169 .087 .025	.163 .085 .025	
8.0	.174 .085 .024	.171 .084 .024	.165 .082 .024	.159 .081 .023	.154 .079 .023	
9.0	.164 .079 .022	.161 .079 .022	.156 .077 .022	.151 .076 .022	.146 .074 .021	
10.0	.155 .074 .021	.153 .074 .021	.148 .072 .020	.143 .071 .020	.139 .070 .020	

<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	.198 .198 .198	.169 .169 .169	.115 .115 .115	.066 .066 .066	.021 .021 .021	
1.0	.185 .164 .144	.158 .140 .124	.108 .097 .086	.062 .056 .050	.020 .018 .016	
2.0	.175 .139 .109	.150 .120 .094	.103 .083 .066	.059 .048 .039	.019 .016 .013	
3.0	.166 .121 .085	.143 .105 .074	.098 .073 .052	.057 .042 .031	.018 .014 .010	
4.0	.158 .108 .069	.136 .093 .060	.094 .065 .042	.054 .038 .025	.017 .012 .008	
5.0	.151 .097 .057	.130 .084 .050	.089 .059 .035	.052 .034 .021	.017 .011 .007	
6.0	.144 .089 .049	.124 .077 .043	.085 .054 .030	.050 .032 .018	.016 .010 .006	
7.0	.138 .082 .042	.118 .071 .037	.082 .050 .026	.048 .029 .016	.015 .010 .005	
8.0	.132 .076 .038	.113 .066 .033	.078 .046 .023	.046 .027 .014	.015 .009 .005	
9.0	.126 .071 .034	.108 .062 .029	.075 .043 .021	.044 .026 .012	.014 .008 .004	
10.0	.121 .067 .031	.104 .058 .027	.072 .041 .019	.042 .024 .011	.014 .008 .004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	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	16.3	17.7	16.6	17.9	18.1	15.7	17.1	16.0	17.3	17.5
3H	17.0	18.3	17.3	18.5	18.8	16.5	17.8	16.8	18.0	18.3
4H	17.4	18.6	17.7	18.9	19.1	16.9	18.1	17.2	18.3	18.6
6H	17.8	18.9	18.1	19.2	19.5	17.2	18.3	17.6	18.6	18.9
8H	18.0	19.1	18.3	19.4	19.7	17.3	18.4	17.7	18.7	19.0
12H	18.1	19.1	18.5	19.5	19.8	17.4	18.5	17.8	18.8	19.1
4H 2H	16.7	17.9	17.0	18.1	18.4	16.2	17.4	16.5	17.7	17.9
3H	17.6	18.7	18.0	19.0	19.3	17.2	18.2	17.5	18.5	18.9
4H	18.2	19.1	18.6	19.5	19.8	17.7	18.6	18.1	19.0	19.3
6H	18.7	19.6	19.1	19.9	20.3	18.2	19.0	18.6	19.4	19.8
8H	19.0	19.8	19.4	20.1	20.5	18.4	19.1	18.8	19.5	19.9
12H	19.2	19.9	19.6	20.3	20.7	18.5	19.2	18.9	19.6	20.0
8H 4H	18.4	19.2	18.9	19.6	20.0	18.0	18.8	18.4	19.2	19.6
6H	19.2	19.8	19.6	20.3	20.7	18.7	19.3	19.1	19.7	20.2
8H	19.5	20.1	20.0	20.6	21.0	19.0	19.5	19.4	20.0	20.4
12H	19.8	20.3	20.3	20.8	21.3	19.2	19.7	19.7	20.1	20.6
12H 4H	18.5	19.2	18.9	19.6	20.0	18.0	18.8	18.5	19.2	19.6
6H	19.3	19.8	19.7	20.3	20.7	18.8	19.3	19.2	19.8	20.3
8H	19.7	20.2	20.1	20.6	21.1	19.1	19.6	19.6	20.1	20.6

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.4 / - 0.5	+ 0.4 / - 0.5
1.5H	+ 0.2 / - 0.5	+ 0.2 / - 0.6
2.0H	+ 0.8 / - 1.0	+ 0.8 / - 1.1

CIE Pub.117, 3924 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)
Area: 0.308 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:CJS
Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:65.0%
Test Distance:26.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:

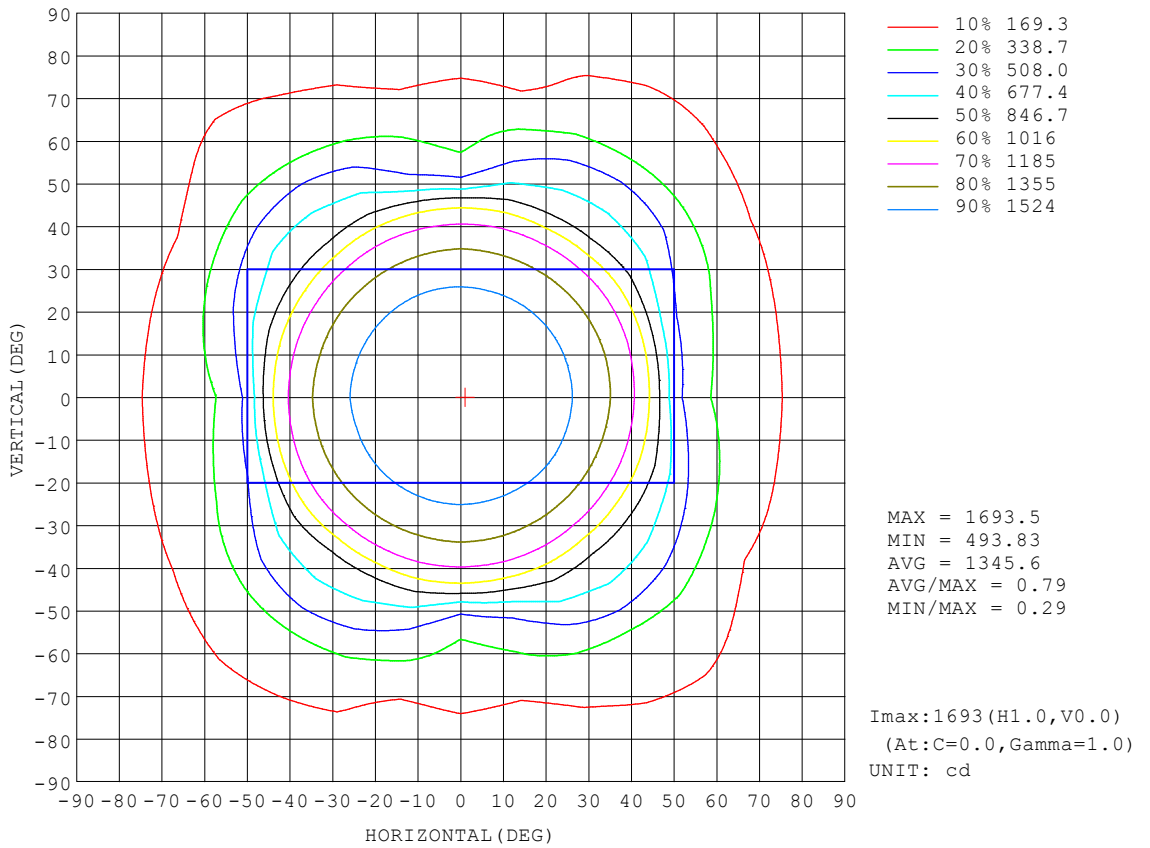
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	64	53	47	63	53	47	62	52	46	41
0.80	73	63	57	72	63	56	71	62	56	50
1.00	81	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	87	83	76
2.50	102	95	90	100	93	89	96	91	87	79
3.00	104	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:

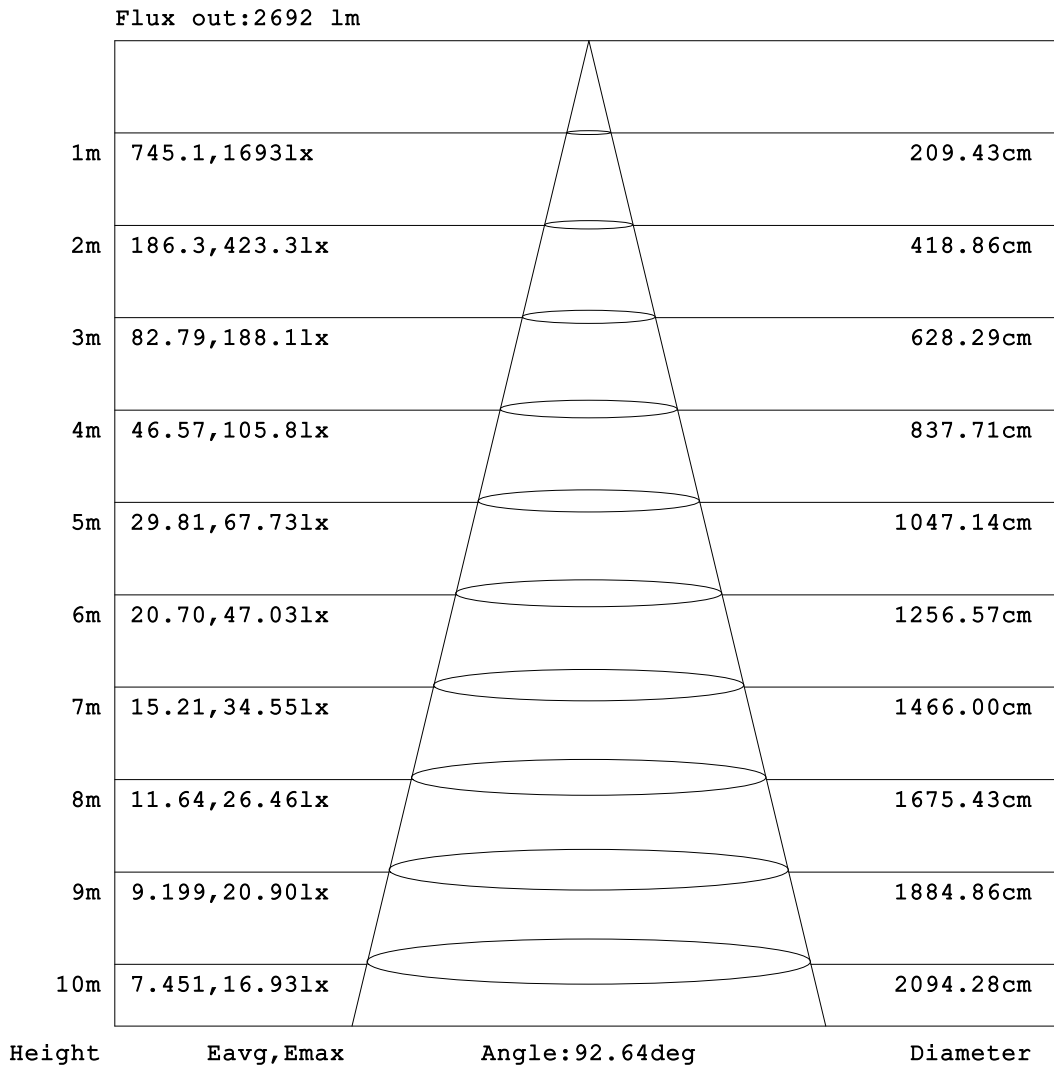


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:



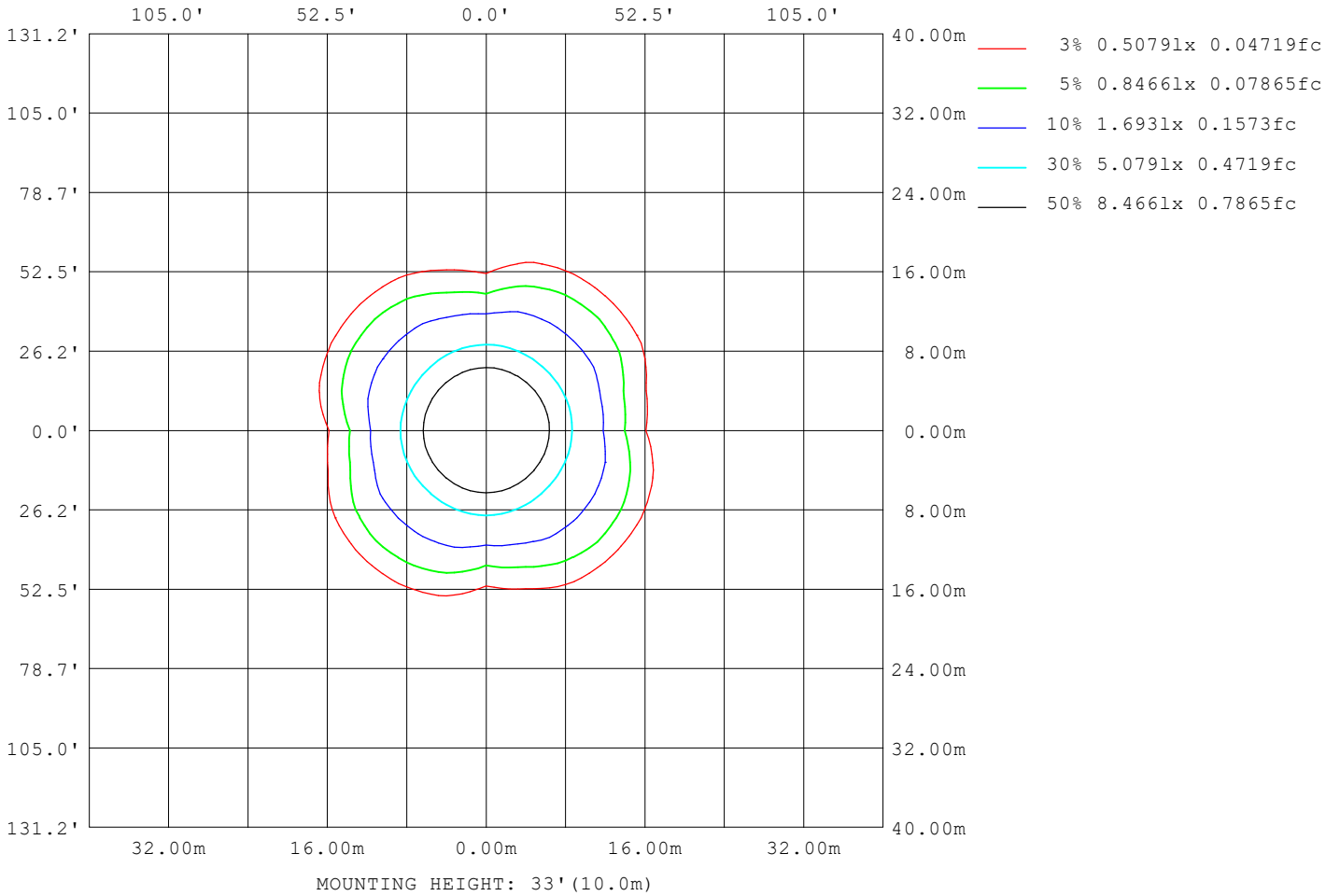
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.01V I:0.1648A P:36.817W PF:0.9711 Freq:0Hz Lamp Flux:3924.43x1 lm		
NAME: LED PANNEL	TYPE:	WEIGHT:
SPEC.: 230V36W5000K	DIM.:	SERIAL No.: S16732
MFR.:	SUR.: 0.555*0.555	Shielding Angle:

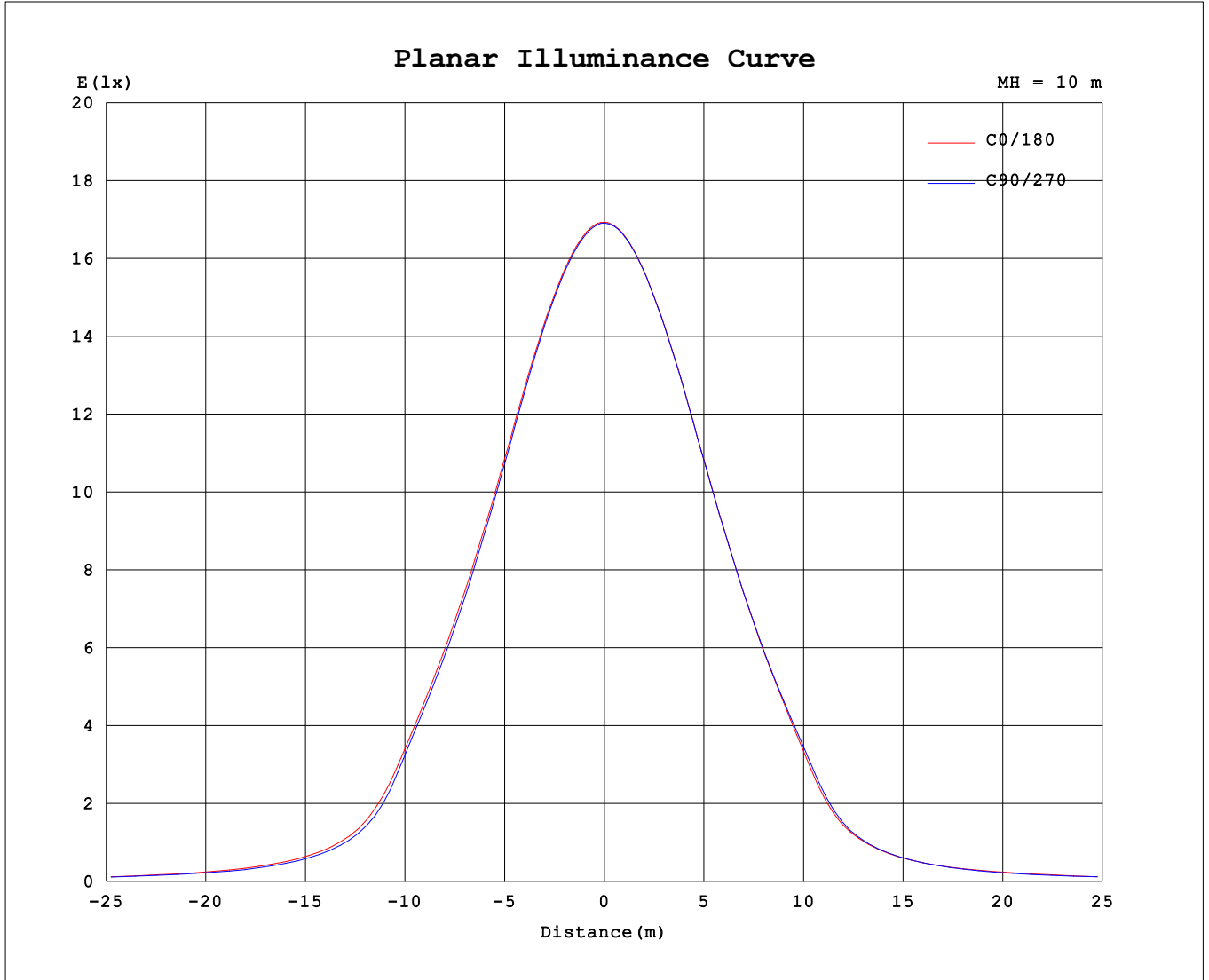
AvgL	cd/m2
L_0~180 (65) av	2057
L_0~180 (75) av	2120
L_0~180 (85) av	2001
L_90~270 (65) av	1908
L_90~270 (75) av	2025
L_90~270 (85) av	1805
L_45 (65) av	2343
L_45 (75) av	2250
L_45 (85) av	2050

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:CJS
 Test Date:2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:65.0%
 Test Distance:26.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CJS
Test Date: 2023-12-06

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 65.0%
Test Distance: 26.000m [K=1.0000]
Remarks: