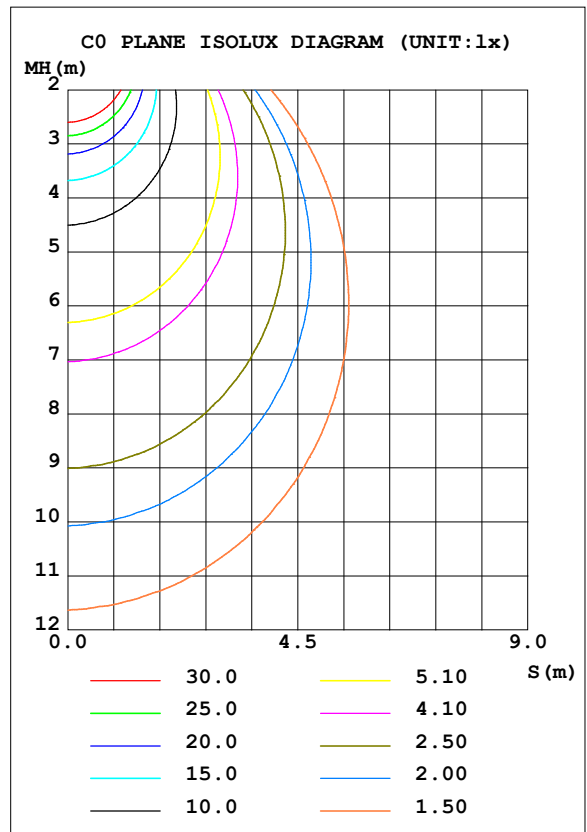
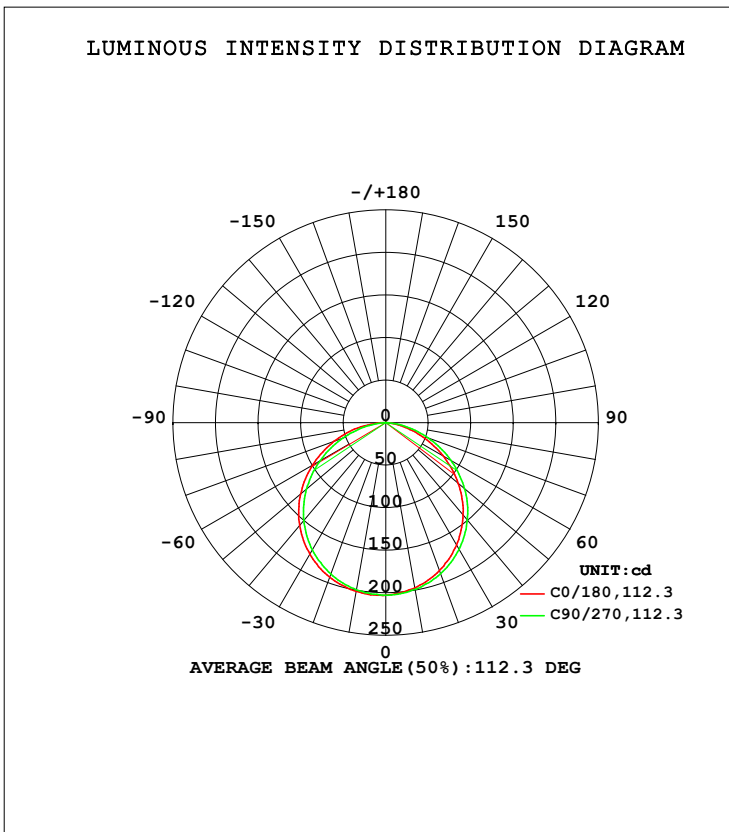


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ADS5R-5CCT	Imax (cd)	203.5	S/MH (C0/180)	1.31
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	576.09	<input type="checkbox"/> UP, DN (C0-180)	0.0,49.4
NOMINAL FLUX (lm)	576.095	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0,50.6
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

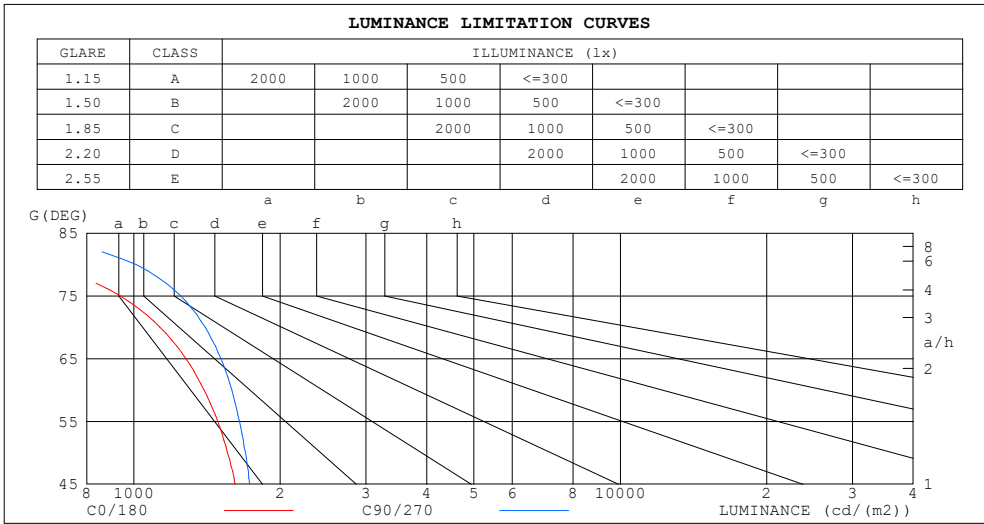
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	197.1	197.6	199.1	200.9	201.6	200.7	199.3	198.2	0- 10	19.20	19.20	3.33,3.33
20	184.7	185.8	188.9	192.3	193.3	192.1	189.1	186.5	10- 20	55.10	74.30	12.9,12.9
30	166.4	167.6	172.3	177.0	178.6	176.9	172.8	168.5	20- 30	83.76	158.1	27.4,27.4
40	141.3	143.4	149.4	155.8	157.7	155.4	149.8	144.6	30- 40	101.3	259.3	45,45
50	111.2	113.6	121.1	128.5	130.9	128.1	121.7	115.2	40- 50	105.1	364.4	63.3,63.3
60	77.42	80.10	88.19	96.47	99.15	95.91	88.90	81.56	50- 60	94.11	458.5	79.6,79.6
70	42.98	45.40	53.23	61.79	64.83	61.02	53.78	47.05	60- 70	70.45	528.9	91.8,91.8
80	12.52	14.16	19.44	27.03	29.97	26.42	20.01	15.34	70- 80	38.93	567.9	98.6,98.6
90	0.1117	0.0987	0.0810	0.0634	2.511	0.1140	0.1393	0.1756	80- 90	8.224	576.1	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		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

LUMINANCE LIMITATION CURVES

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	63	524
80	649	1009
75	937	1249
70	1132	1402
65	1279	1511
60	1395	1589
55	1487	1650
50	1558	1697
45	1615	1731

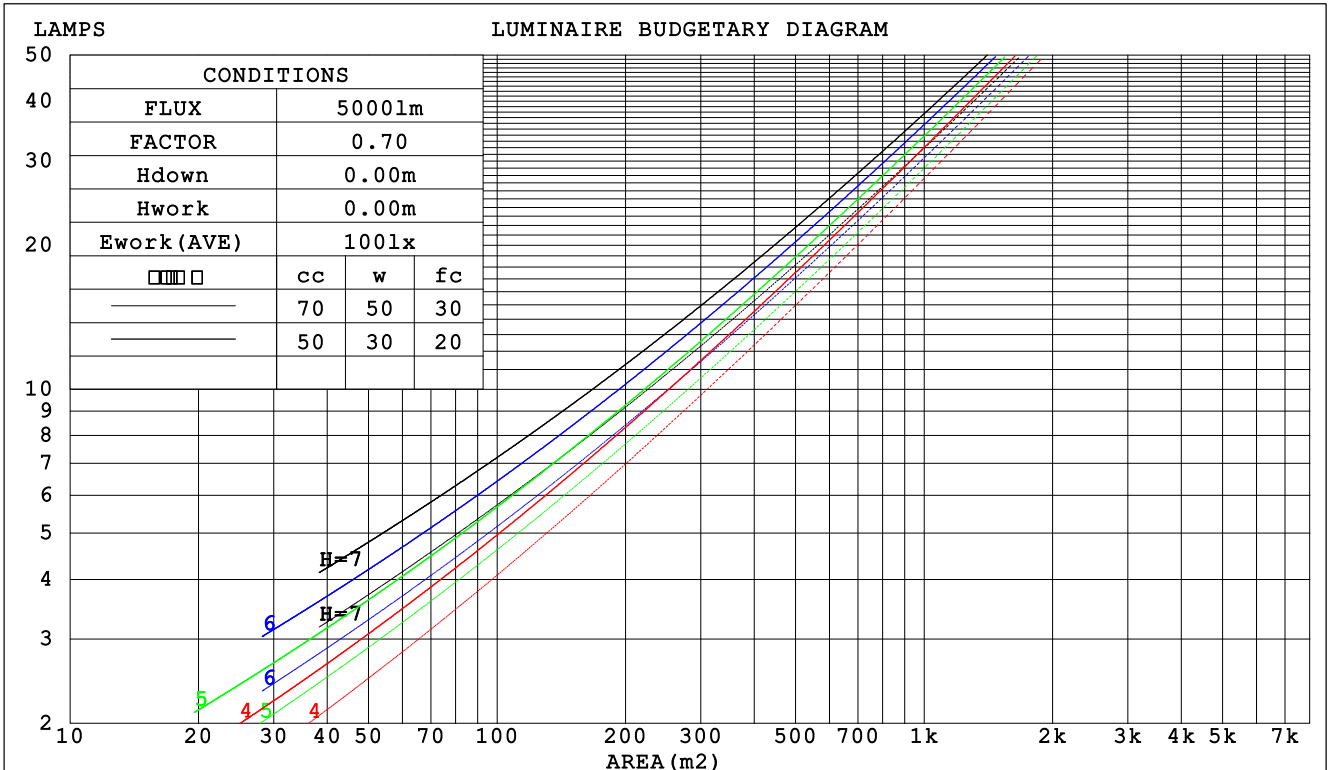
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	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						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	1.04	.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.46	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

WEC AND CCEC

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	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	.304 .173 .055	.297 .169 .054	.283 .163 .052	.271 .156 .050	.260 .151 .049	
2.0	.288 .158 .048	.282 .155 .048	.270 .150 .047	.260 .146 .046	.250 .141 .045	
3.0	.268 .142 .043	.262 .140 .042	.252 .137 .041	.242 .133 .041	.233 .129 .040	
4.0	.248 .129 .038	.243 .127 .038	.234 .124 .037	.225 .121 .036	.217 .118 .036	
5.0	.229 .117 .034	.225 .115 .034	.217 .113 .033	.209 .110 .033	.202 .108 .032	
6.0	.213 .107 .031	.209 .106 .030	.202 .103 .030	.195 .101 .030	.189 .099 .029	
7.0	.198 .098 .028	.195 .097 .028	.188 .095 .027	.182 .093 .027	.177 .092 .027	
8.0	.185 .091 .025	.182 .090 .025	.176 .088 .025	.171 .087 .025	.166 .085 .025	
9.0	.174 .084 .023	.171 .083 .023	.166 .082 .023	.161 .081 .023	.156 .079 .023	
10.0	.163 .078 .022	.161 .078 .022	.156 .077 .022	.152 .075 .021	.148 .074 .021	

<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	.180 .156 .135	.154 .134 .116	.105 .092 .080	.061 .053 .047	.019 .017 .015	
2.0	.172 .132 .098	.147 .114 .085	.101 .079 .059	.058 .046 .035	.019 .015 .011	
3.0	.164 .114 .075	.141 .099 .065	.097 .068 .045	.056 .040 .027	.018 .013 .009	
4.0	.156 .101 .059	.134 .087 .051	.092 .061 .036	.053 .036 .021	.017 .012 .007	
5.0	.149 .091 .047	.128 .078 .041	.088 .055 .029	.051 .032 .017	.016 .010 .006	
6.0	.142 .082 .039	.122 .071 .034	.084 .050 .024	.049 .029 .014	.016 .010 .005	
7.0	.135 .075 .033	.116 .065 .029	.080 .046 .021	.047 .027 .012	.015 .009 .004	
8.0	.129 .069 .029	.111 .060 .025	.077 .042 .018	.045 .025 .011	.014 .008 .004	
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: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm										
NAME: ADS5R-5CCT					TYPE:			WEIGHT:		
SPEC.:4000K 90					DIM.:			SERIAL No.:1		
MFR.: ADS					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	15.8	17.4	16.1	17.6	17.8	16.3	17.8	16.6	18.0	18.2
3H	17.1	18.5	17.3	18.7	18.9	17.7	19.1	18.0	19.4	19.6
4H	17.4	18.8	17.8	19.0	19.3	18.3	19.6	18.6	19.9	20.1
6H	17.6	18.9	18.0	19.2	19.4	18.6	19.9	18.9	20.1	20.4
8H	17.6	18.8	18.0	19.1	19.4	18.7	19.9	19.0	20.2	20.4
12H	17.6	18.7	17.9	19.0	19.3	18.7	19.8	19.0	20.1	20.4
4H 2H	16.4	17.7	16.7	18.0	18.2	16.8	18.1	17.1	18.4	18.6
3H	17.8	18.9	18.1	19.2	19.5	18.4	19.5	18.7	19.8	20.1
4H	18.3	19.3	18.7	19.7	20.0	19.0	20.1	19.4	20.4	20.7
6H	18.5	19.5	18.9	19.8	20.2	19.4	20.4	19.8	20.7	21.1
8H	18.6	19.4	19.0	19.8	20.2	19.5	20.4	19.9	20.8	21.2
12H	18.5	19.3	18.9	19.7	20.1	19.6	20.4	20.0	20.8	21.2
8H 4H	18.5	19.4	18.9	19.7	20.1	19.1	20.0	19.6	20.4	20.8
6H	18.8	19.6	19.3	20.0	20.4	19.7	20.4	20.1	20.8	21.2
8H	18.9	19.5	19.3	19.9	20.4	19.8	20.5	20.3	20.9	21.3
12H	18.8	19.4	19.3	19.8	20.3	19.9	20.4	20.3	20.9	21.3
12H 4H	18.5	19.3	18.9	19.7	20.1	19.1	19.9	19.6	20.3	20.7
6H	18.8	19.5	19.3	19.9	20.4	19.7	20.3	20.1	20.7	21.2
8H	18.9	19.4	19.4	19.9	20.4	19.8	20.4	20.3	20.8	21.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 576.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.9)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

UTILIZATION FACTORS TABLE

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:

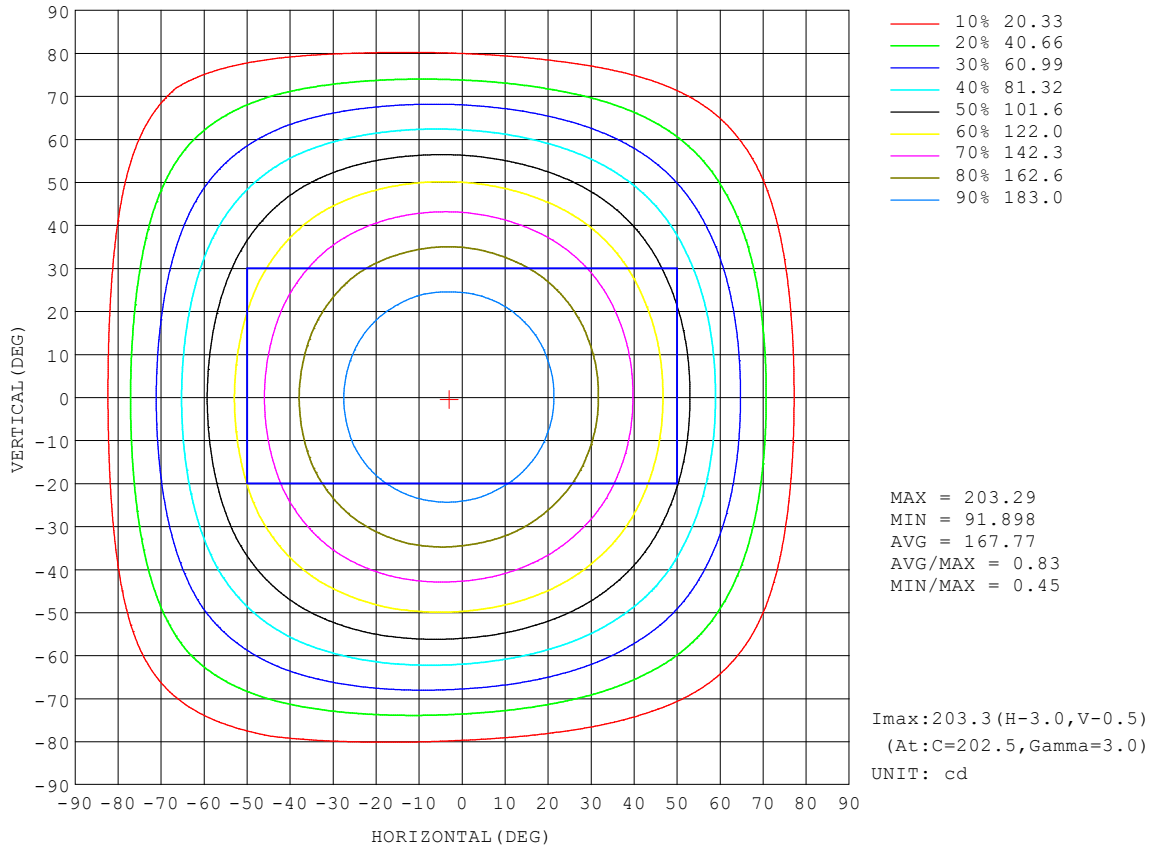
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	91	86	97	90	85	93	87	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

ISOCANDELA DIAGRAM

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:

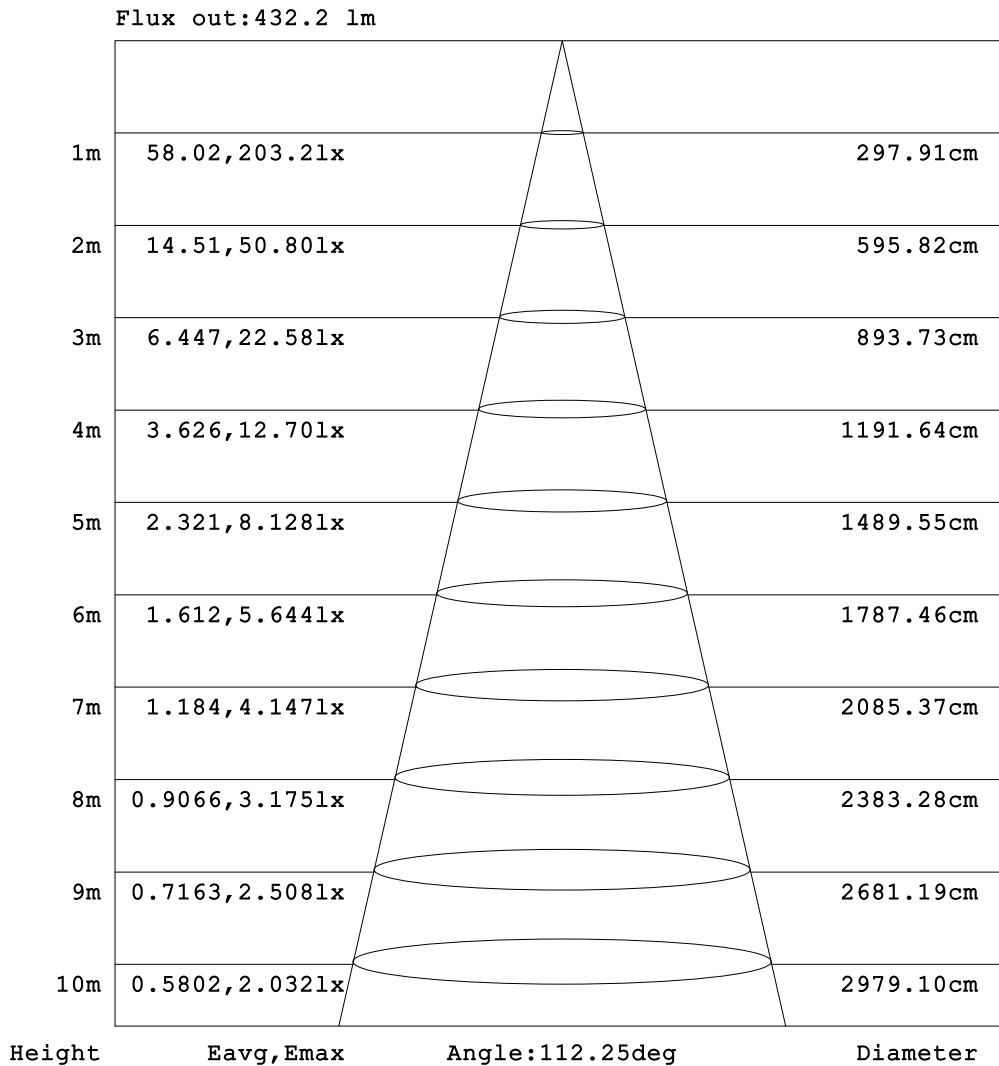


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

AAI Figure

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:



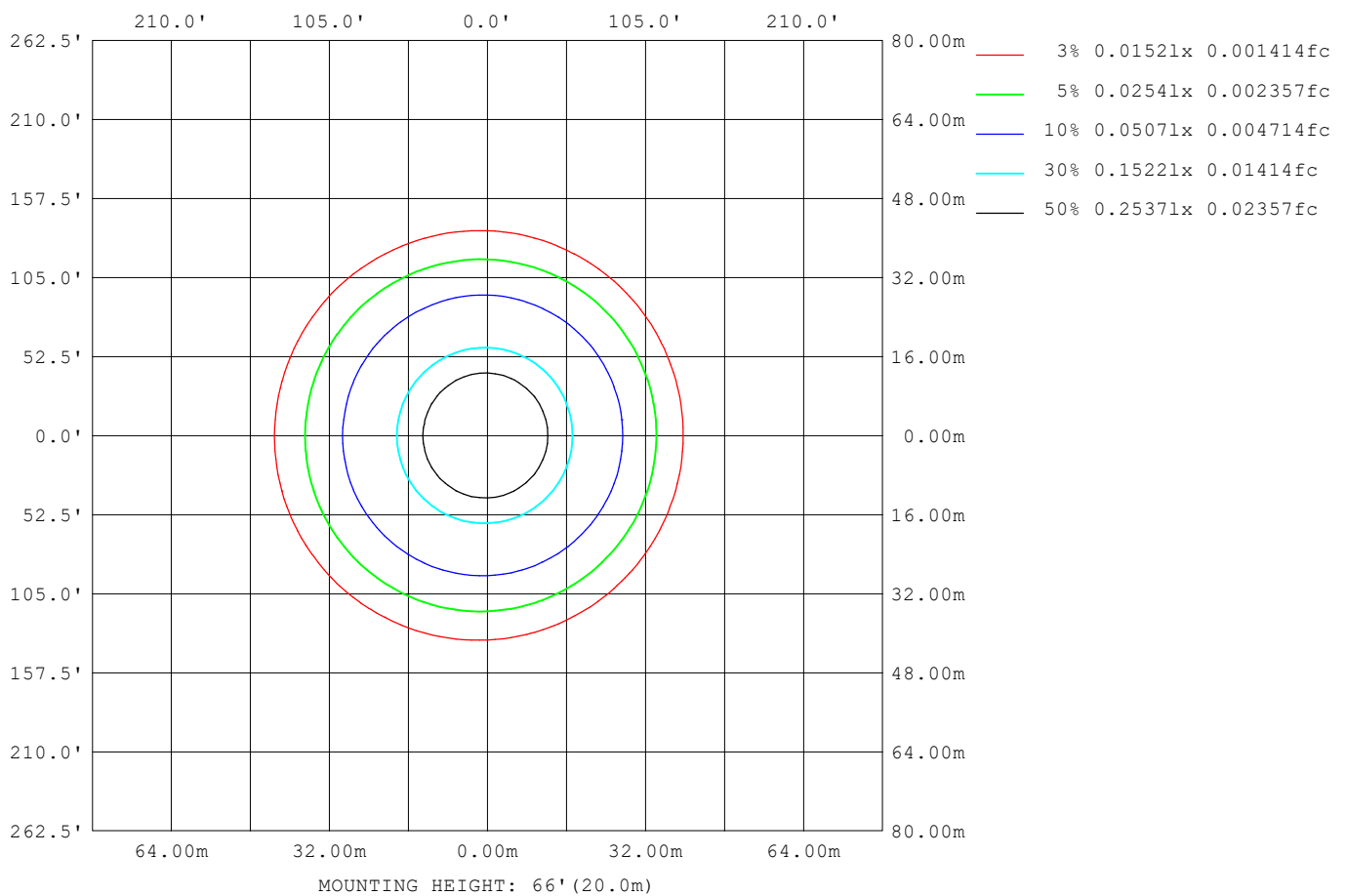
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

ISOLUX DIAGRAM

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

LED Avg.L Report

Test:U:120.03V I:0.0944A P:10.716W PF:1.0796 Freq:59.98Hz Lamp Flux:576.095x1 lm		
NAME: ADS5R-5CCT	TYPE:	WEIGHT:
SPEC.:4000K 90	DIM.:	SERIAL No.:1
MFR.: ADS	SUR.:	Shielding Angle:

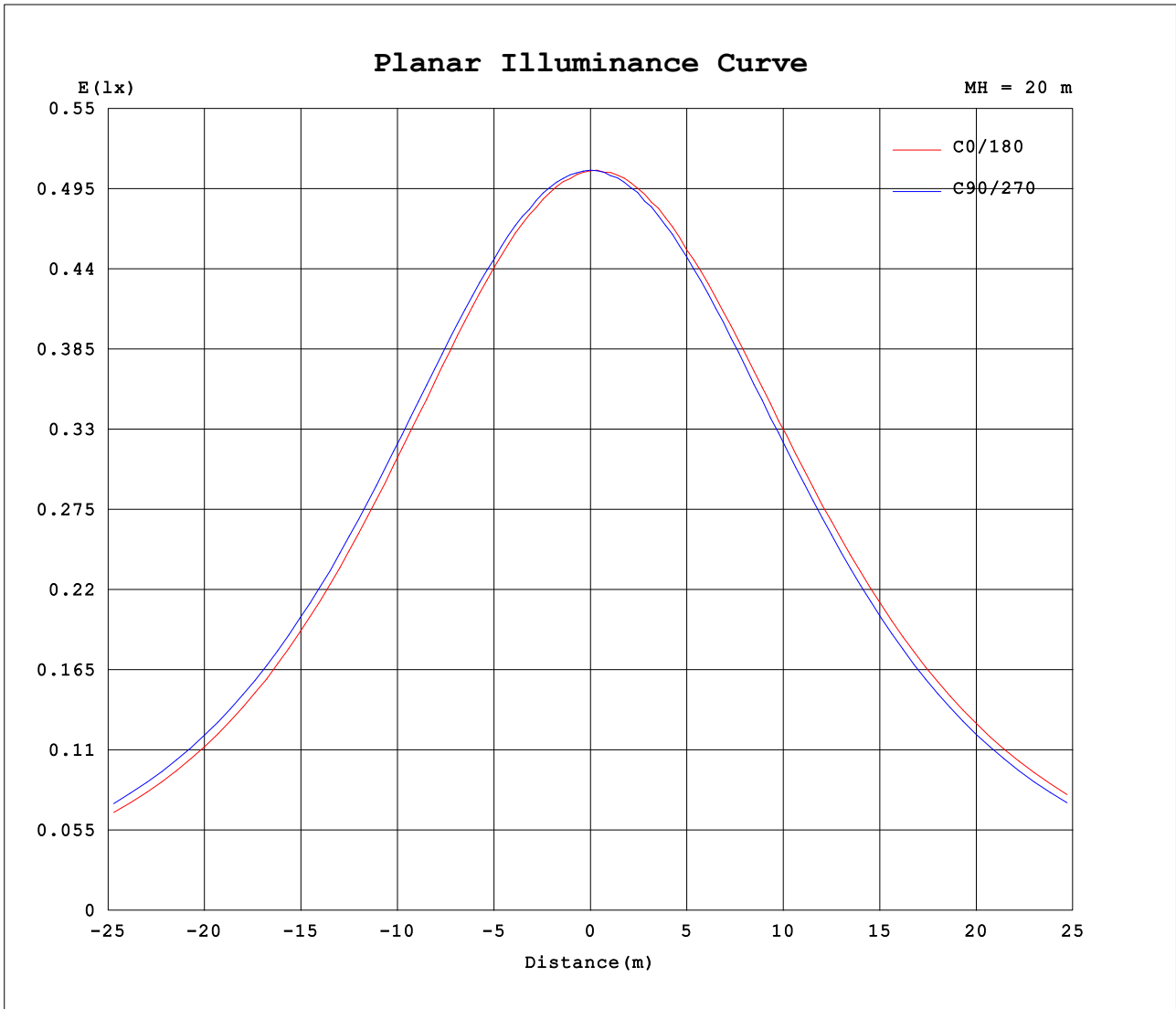
AvgL	cd/m2
L_0~180 (65) av	1513
L_0~180 (75) av	1297
L_0~180 (85) av	701
L_90~270 (65) av	1515
L_90~270 (75) av	1257
L_90~270 (85) av	536
L_45 (65) av	1517
L_45 (75) av	1280
L_45 (85) av	641

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-05-12

Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

