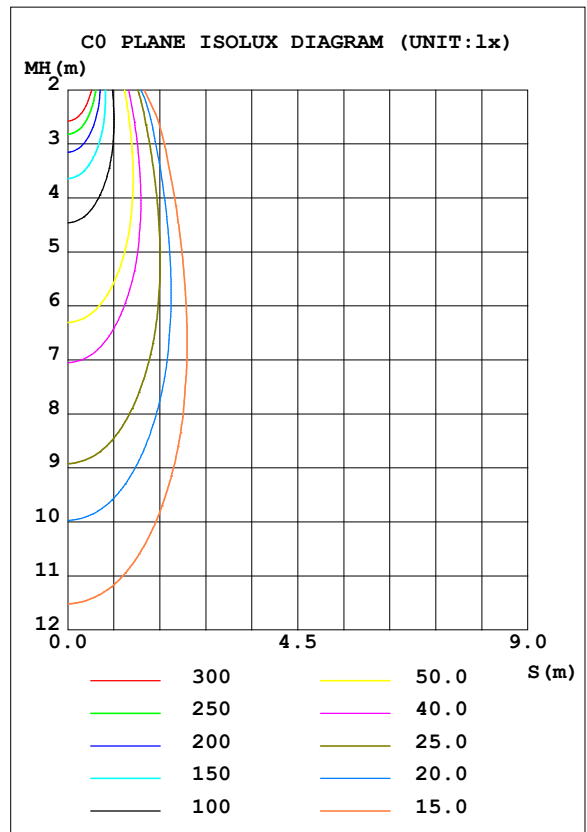
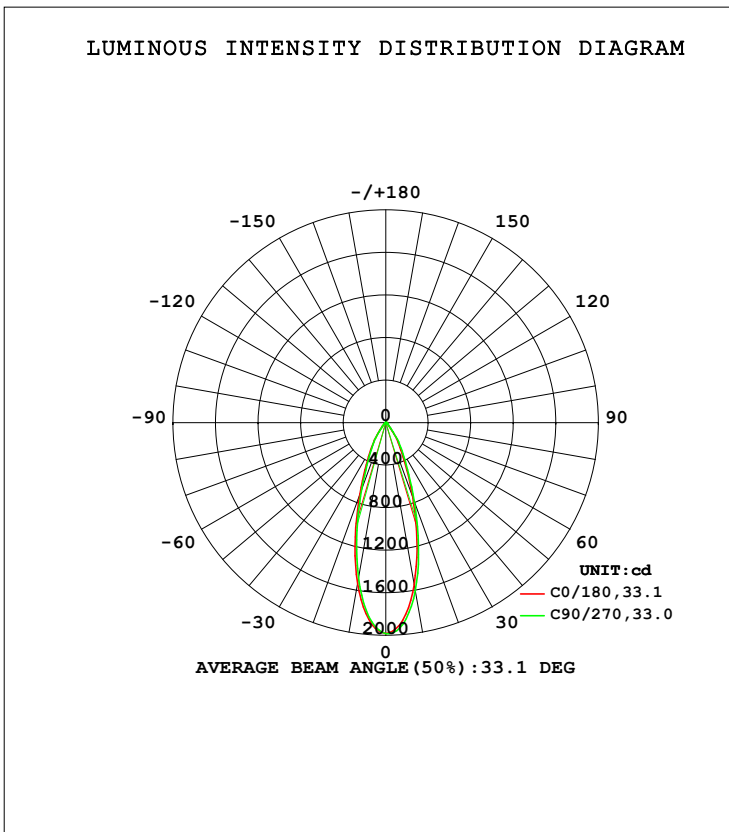


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.93 lm/W			
MODEL		Imax (cd)	1987	S/MH (C0/180)	0.54
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	0.52
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	828.26	<input type="checkbox"/> UP, DN (C0-180)	0.0, 52.4
NOMINAL FLUX (lm)	828.263	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0, 47.6
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	12	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-08-12

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum, lamp
10	1543	1578	1605	1592	1533	1492	1481	1510	0- 10	167.4	167.4	20.2,20.2
20	738.9	770.7	787.8	777.2	718.4	672.6	663.2	694.0	10- 20	307.0	474.4	57.3,57.3
30	269.4	295.7	308.7	286.3	265.8	256.1	249.6	258.4	20- 30	207.8	682.2	82.4,82.4
40	73.46	79.51	87.15	81.54	71.48	66.38	65.10	69.28	30- 40	99.64	781.8	94.4,94.4
50	19.56	21.40	21.92	20.53	18.36	16.98	16.53	17.70	40- 50	31.54	813.4	98.2,98.2
60	5.899	6.168	6.148	5.885	5.471	5.369	5.402	5.616	50- 60	9.019	822.4	99.3,99.3
70	3.250	3.227	3.017	3.000	2.950	2.823	2.717	3.028	60- 70	4.188	826.6	99.8,99.8
80	0.4060	0.3621	0.2308	0.2993	0.3998	0.2157	0.1339	0.2161	70- 80	1.630	828.2	100,100
90	0.0259	0.0251	0.0194	0.0033	0.0266	0.0157	0.0147	0.0084	80- 90	0.0741	828.3	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:2021-08-12

□ 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:

LUMINANCE LIMITATION CURVES

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5	3
80	21	12
75	70	46
70	86	79
65	93	92
60	107	111
55	146	161
50	275	307
45	505	558

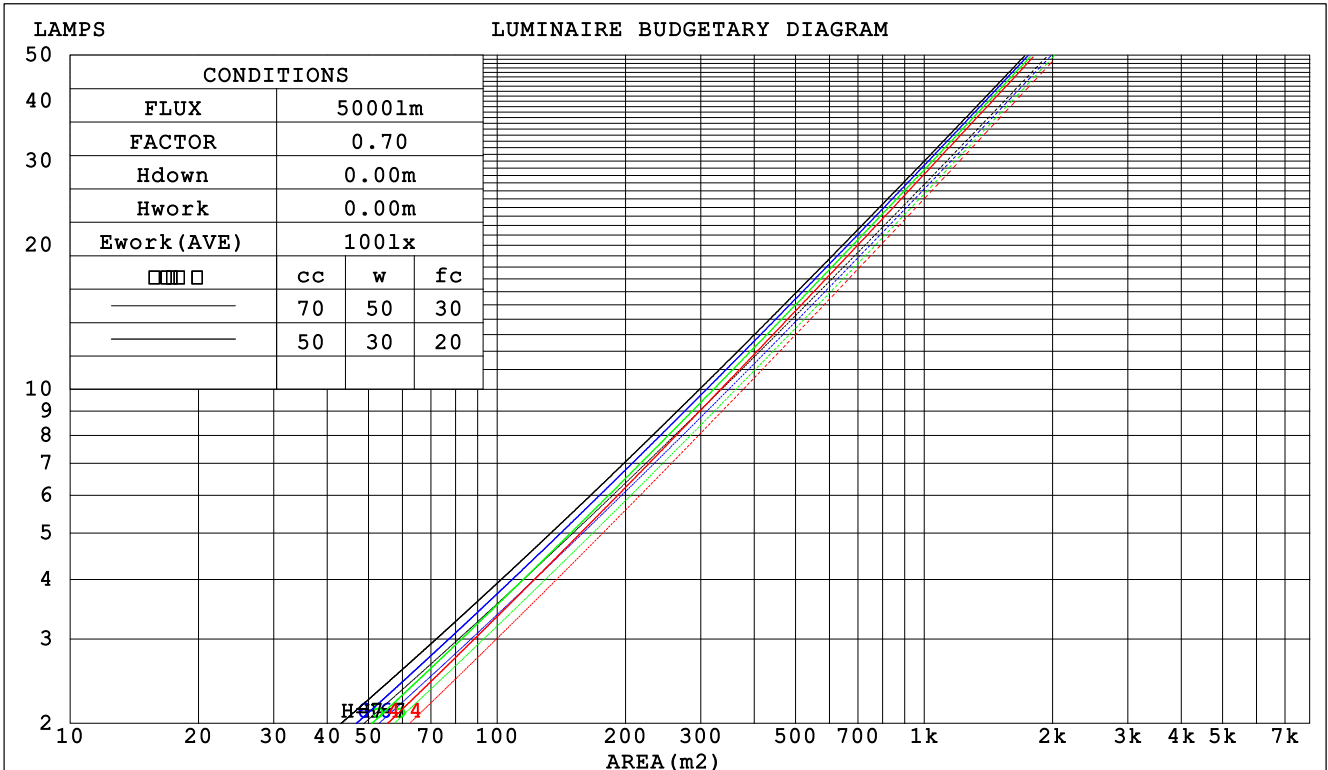
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	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						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	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.97	.97	.95
2.0	1.05	1.01	.98	1.03	.90	.97	1.00	.97	.95	.97	.95	.93	.94	.93	.91	.90
3.0	.99	.95	.91	.98	.94	.90	.95	.92	.89	.93	.90	.88	.90	.88	.86	.85
4.0	.94	.89	.85	.92	.88	.85	.90	.87	.84	.88	.85	.83	.87	.84	.82	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76
6.0	.84	.79	.75	.84	.79	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.73
7.0	.80	.75	.72	.80	.75	.71	.79	.74	.71	.78	.74	.71	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66
9.0	.74	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.71	.67	.64	.63
10.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.69	.65	.62	.68	.64	.62	.60



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

WEC AND CCEC

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	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	.161 .092 .029	.155 .088 .028	.142 .082 .026	.131 .075 .024	.120 .070 .022	
2.0	.153 .084 .026	.147 .081 .025	.137 .076 .024	.127 .071 .022	.118 .067 .021	
3.0	.145 .077 .023	.140 .075 .023	.131 .071 .022	.123 .067 .021	.115 .064 .020	
4.0	.137 .071 .021	.133 .070 .021	.125 .066 .020	.118 .064 .019	.112 .061 .018	
5.0	.130 .066 .019	.126 .065 .019	.120 .062 .018	.114 .060 .018	.108 .058 .017	
6.0	.124 .062 .018	.121 .061 .018	.115 .059 .017	.110 .057 .017	.105 .055 .016	
7.0	.118 .058 .017	.115 .057 .016	.110 .056 .016	.105 .054 .016	.101 .053 .015	
8.0	.113 .055 .015	.110 .054 .015	.106 .053 .015	.102 .051 .015	.098 .050 .015	
9.0	.108 .052 .015	.106 .052 .014	.102 .050 .014	.098 .049 .014	.094 .048 .014	
10.0	.103 .050 .014	.102 .049 .014	.098 .048 .014	.095 .047 .013	.091 .046 .013	

<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	.170 .157 .146	.145 .135 .126	.100 .093 .087	.057 .054 .051	.018 .017 .016	
2.0	.154 .133 .115	.132 .114 .099	.090 .079 .069	.052 .046 .041	.017 .015 .013	
3.0	.140 .113 .092	.120 .098 .080	.083 .068 .056	.048 .040 .033	.015 .013 .011	
4.0	.129 .098 .075	.111 .085 .065	.076 .059 .046	.044 .035 .027	.014 .011 .009	
5.0	.120 .087 .062	.103 .075 .054	.071 .052 .038	.041 .031 .023	.013 .010 .007	
6.0	.112 .077 .052	.096 .067 .045	.066 .047 .032	.038 .027 .019	.012 .009 .006	
7.0	.105 .069 .044	.090 .060 .039	.062 .042 .027	.036 .025 .016	.012 .008 .005	
8.0	.099 .063 .038	.085 .054 .033	.059 .038 .024	.034 .023 .014	.011 .007 .005	
9.0	.094 .057 .033	.081 .050 .029	.056 .035 .020	.033 .021 .012	.011 .007 .004	
10.0	.089 .053 .029	.077 .046 .025	.053 .032 .018	.031 .019 .011	.010 .006 .004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

UGR(Unified Glare Rating) Table

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	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	5.0	5.8	5.2	6.0	6.2	5.6	6.4	5.8	6.6	6.7
3H	5.0	5.7	5.2	5.9	6.1	5.5	6.3	5.8	6.5	6.7
4H	4.9	5.7	5.2	5.9	6.1	5.4	6.2	5.7	6.4	6.6
6H	4.9	5.5	5.2	5.8	6.0	5.4	6.0	5.7	6.3	6.5
8H	4.8	5.5	5.1	5.7	6.0	5.3	6.0	5.6	6.2	6.5
12H	4.8	5.4	5.1	5.7	5.9	5.3	5.9	5.6	6.2	6.4
4H 2H	4.8	5.6	5.1	5.8	6.0	5.4	6.1	5.7	6.3	6.5
3H	4.8	5.4	5.1	5.7	6.0	5.3	6.0	5.7	6.2	6.5
4H	4.8	5.4	5.1	5.7	6.0	5.3	5.9	5.6	6.1	6.5
6H	4.7	5.2	5.1	5.6	5.9	5.2	5.7	5.6	6.0	6.4
8H	4.7	5.1	5.1	5.5	5.9	5.1	5.6	5.5	6.0	6.3
12H	4.6	5.1	5.0	5.4	5.8	5.1	5.5	5.5	5.9	6.3
8H 4H	4.7	5.2	5.1	5.5	5.9	5.2	5.6	5.5	6.0	6.3
6H	4.6	5.0	5.0	5.4	5.8	5.1	5.4	5.5	5.8	6.2
8H	4.6	4.9	5.0	5.3	5.7	5.0	5.3	5.4	5.8	6.2
12H	4.5	4.8	5.0	5.2	5.7	4.9	5.2	5.4	5.7	6.1
12H 4H	4.6	5.1	5.0	5.4	5.8	5.1	5.5	5.5	5.9	6.3
6H	4.6	4.9	5.0	5.3	5.7	5.0	5.3	5.4	5.8	6.2
8H	4.5	4.8	5.0	5.2	5.7	4.9	5.2	5.4	5.7	6.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 5.6					+ 3.1 / - 6.5				
1.5H	+ 4.1 / - 5.0					+ 4.8 / - 5.7				
2.0H	+ 4.6 / - 3.4					+ 5.1 / - 4.0				

CIE Pub.117, 828.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.7)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

UTILIZATION FACTORS TABLE

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

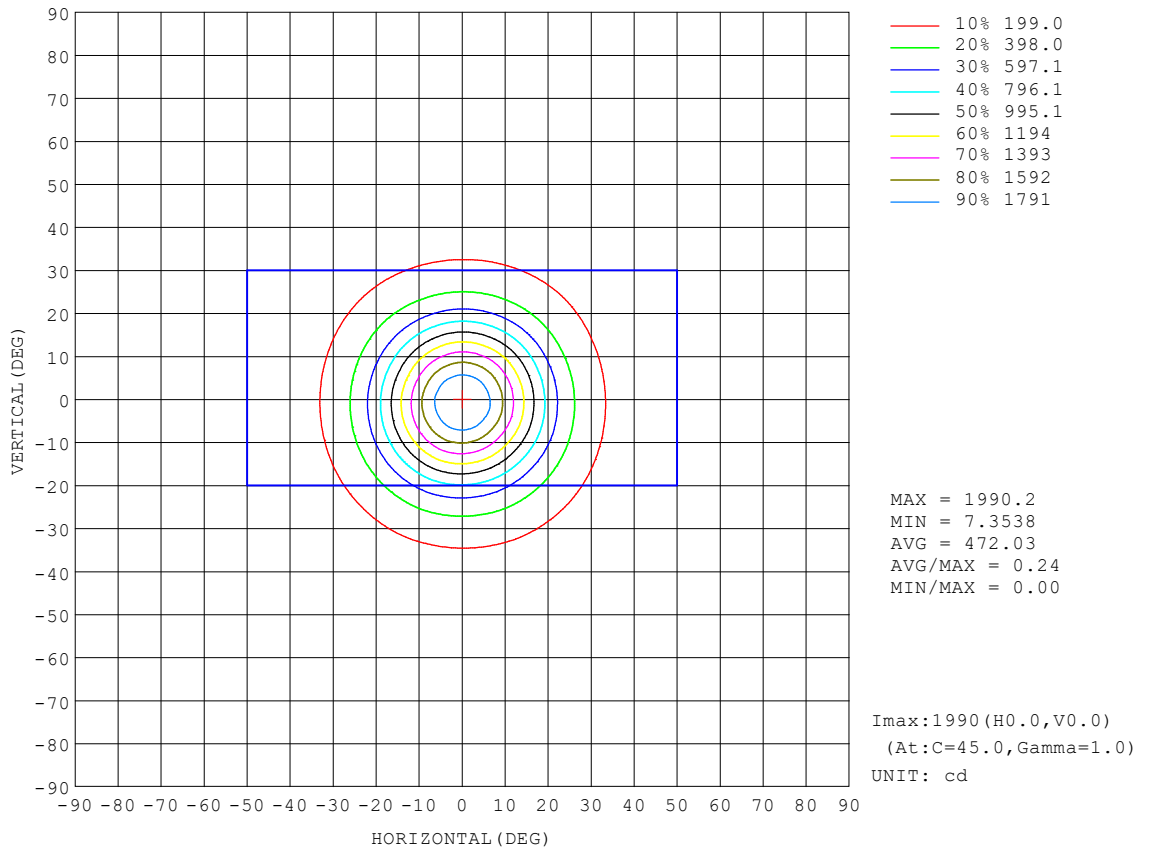
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	82	78	88	82	78	87	81	78	74
0.80	95	90	86	95	89	86	94	89	86	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
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:2021-08-12

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:

ISOCANDELA DIAGRAM

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

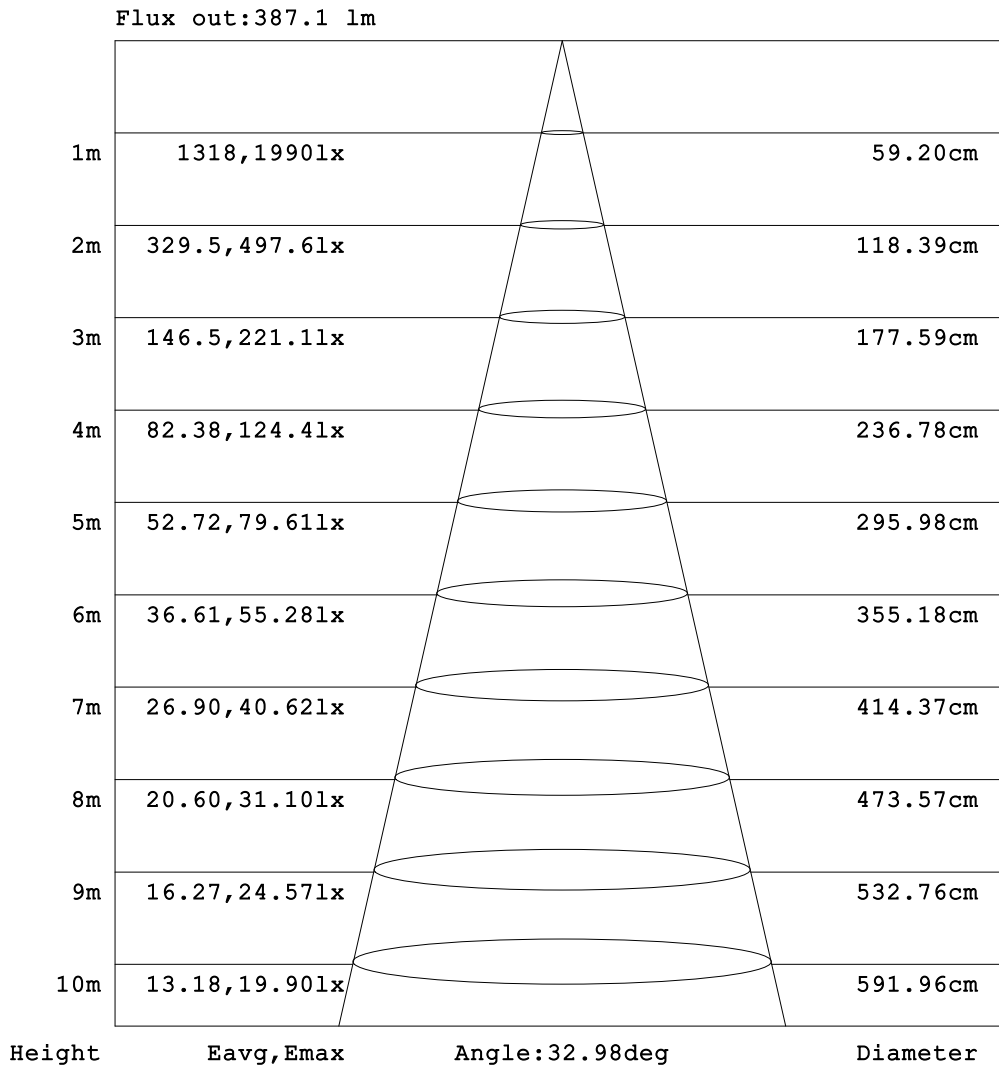


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

AAI Figure

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



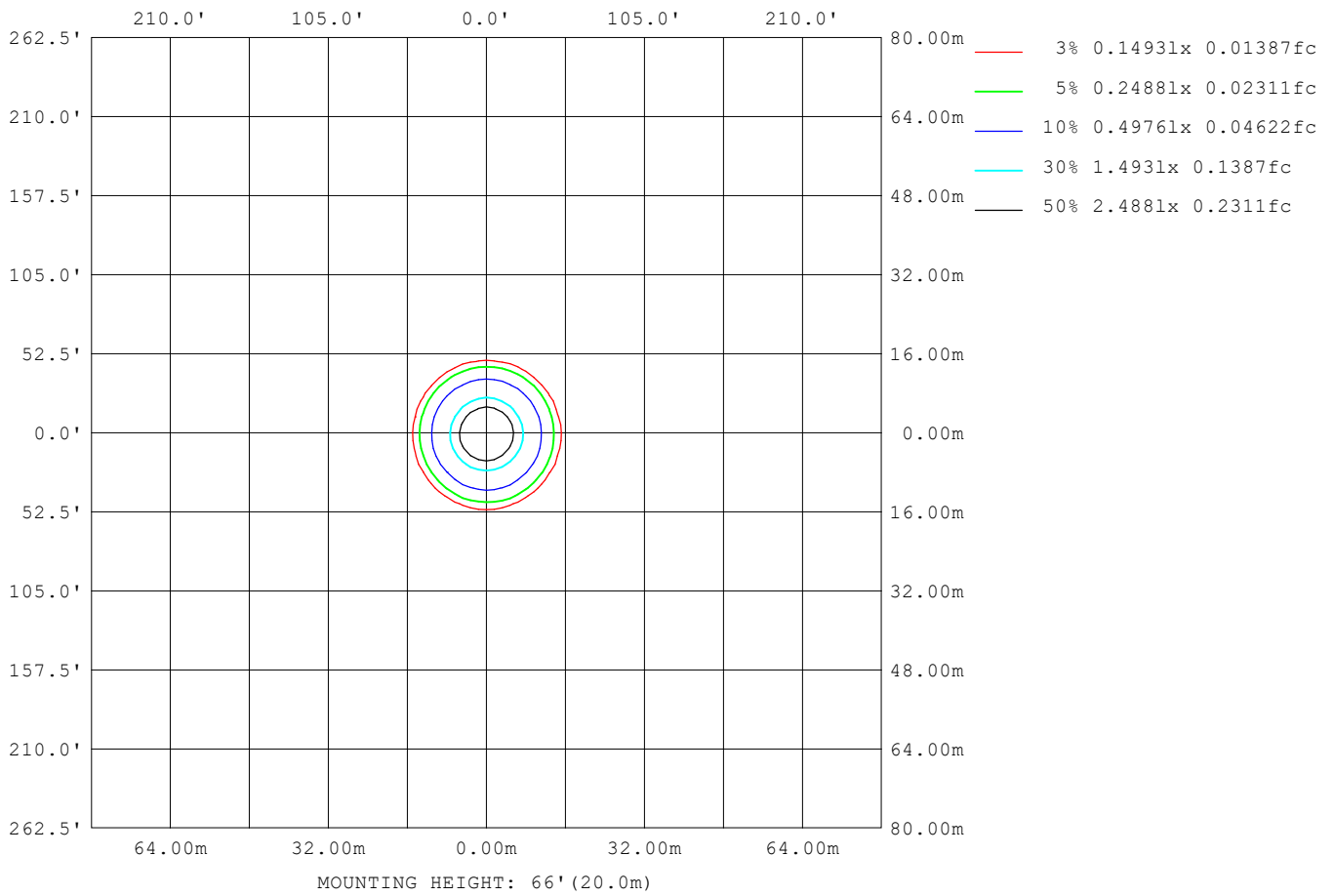
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

ISOLUX DIAGRAM

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

LED Avg.L Report

Test:U:120.04V I:0.1267A P:11.677W PF:0.9248 Freq:59.98Hz Lamp Flux:828.263x1 lm		
NAME: AD-35-S12W-5CCT-WH-REY	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

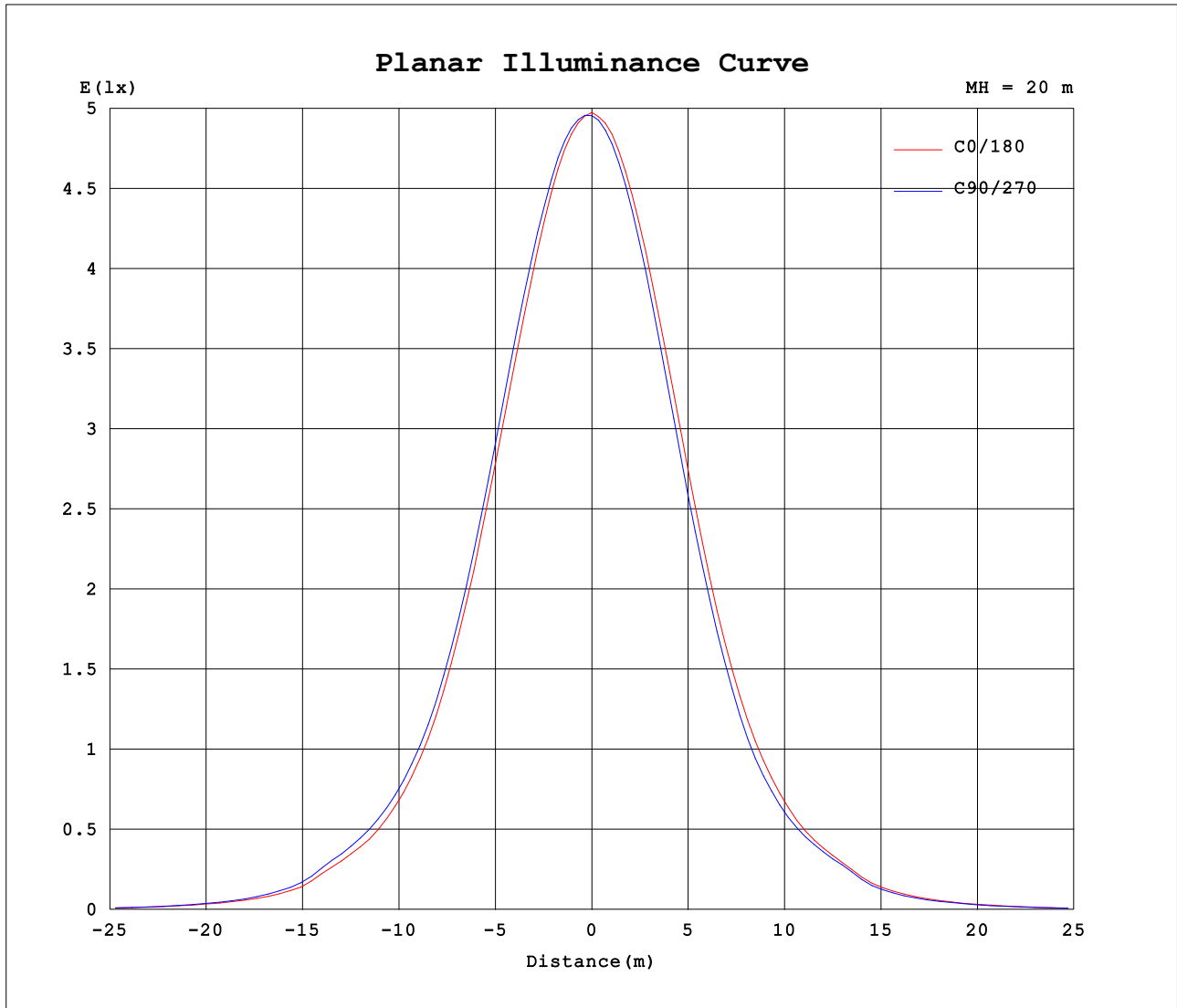
AvgL	cd/m2
L_0~180 (65) av	89
L_0~180 (75) av	66
L_0~180 (85) av	6
L_90~270 (65) av	88
L_90~270 (75) av	38
L_90~270 (85) av	3
L_45 (65) av	89
L_45 (75) av	53
L_45 (85) av	2

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-08-12

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:

