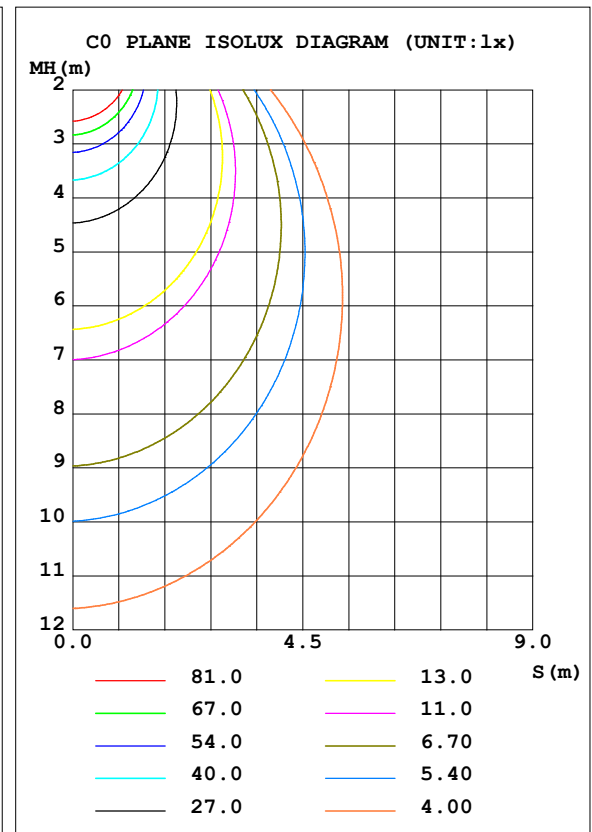
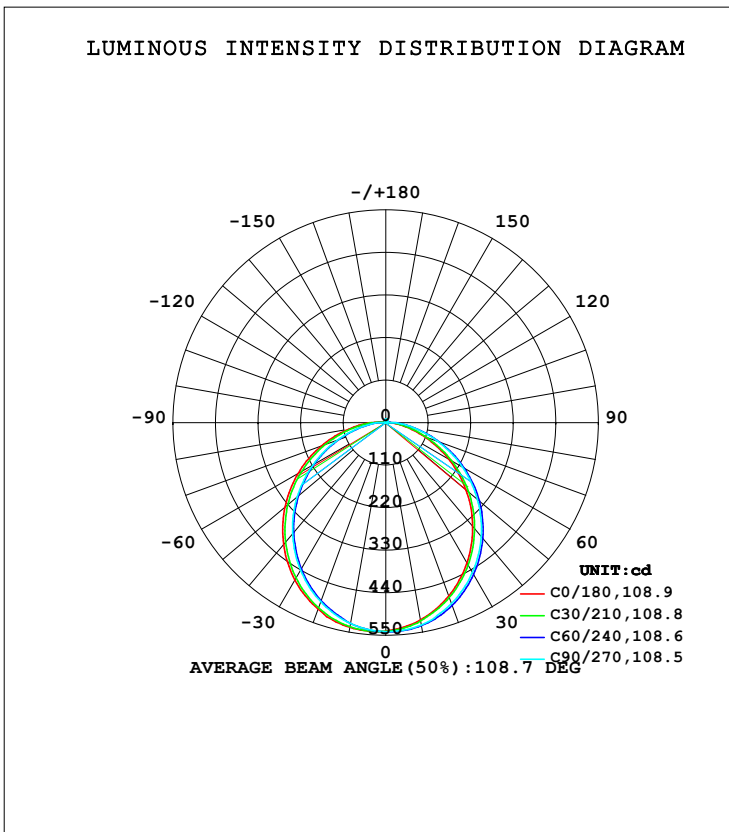


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	S18432-3K	Imax (cd)	541.2	S/MH (C0/180)	1.29
NOMINAL POWER (W)	16.7697	LOR (%)	100.0	S/MH (C90/270)	1.22
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1538.1	η UP, DN (C0-180)	1.0, 47.3
NOMINAL FLUX (lm)	1538.13	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 50.6
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.395	η down (%)	97.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 11.780m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

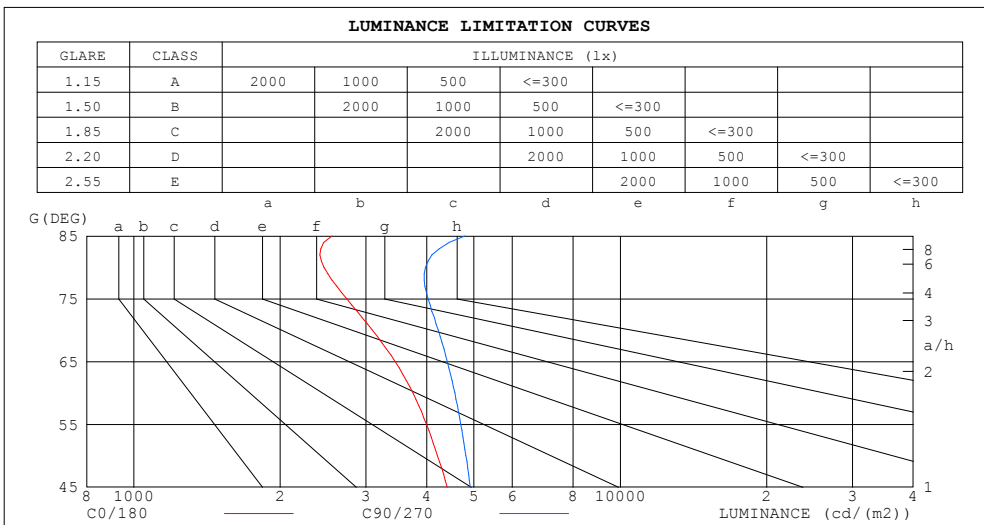
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	☉ zone	☉ total	lum, lamp
10	517.7	526.7	531.0	527.6	537.5	531.2	527.2	530.6	0- 10	51.01	51.01	3.32,3.32
20	476.9	491.8	497.8	492.5	512.7	499.4	492.7	498.5	10- 20	145.1	196.1	12.7,12.7
30	419.5	439.6	447.9	440.5	470.0	450.2	440.5	448.8	20- 30	217.5	413.6	26.9,26.9
40	349.7	373.8	384.0	375.0	411.2	386.7	374.9	385.1	30- 40	258.9	672.4	43.7,43.7
50	270.5	298.2	309.6	299.5	340.3	312.9	299.3	310.9	40- 50	265.1	937.5	61,61
60	187.4	215.0	228.6	217.4	261.4	231.5	216.7	229.3	50- 60	236.7	1174	76.3,76.3
70	105.8	130.9	144.5	133.7	177.7	148.0	133.3	145.4	60- 70	179.5	1354	88,88
80	42.75	59.72	69.03	60.67	97.21	73.23	60.73	69.71	70- 80	106.9	1461	95,95
90	9.836	18.15	21.21	18.03	37.54	24.64	16.65	21.26	80- 90	44.76	1505	97.9,97.9
100	2.229	2.913	2.902	2.834	8.876	4.115	1.728	2.422	90-100	10.69	1516	98.6,98.6
110	3.043	2.592	2.611	2.766	2.523	2.168	2.054	2.003	100-110	2.651	1519	98.7,98.7
120	4.160	3.482	3.338	3.434	3.330	2.995	2.835	2.839	110-120	2.809	1522	98.9,98.9
130	5.028	4.418	4.075	4.336	4.423	3.867	3.589	3.788	120-130	3.316	1525	99.1,99.1
140	5.825	5.549	4.951	5.423	5.315	4.994	4.404	4.812	130-140	3.588	1529	99.4,99.4
150	6.546	6.620	6.610	6.944	6.208	6.025	5.392	5.519	140-150	3.576	1532	99.6,99.6
160	7.585	7.564	7.777	7.660	7.335	6.953	6.589	6.234	150-160	3.111	1535	99.8,99.8
170	8.297	8.050	8.090	8.310	8.142	7.971	7.178	6.853	160-170	2.116	1537	99.9,99.9
180	9.156	9.537	9.728	9.459	9.156	9.541	9.719	9.450	170-180	0.8271	1538	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2556	4795
80	2462	3975
75	2740	4024
70	3093	4226
65	3445	4412
60	3747	4572
55	3998	4701
50	4209	4816
45	4407	4921

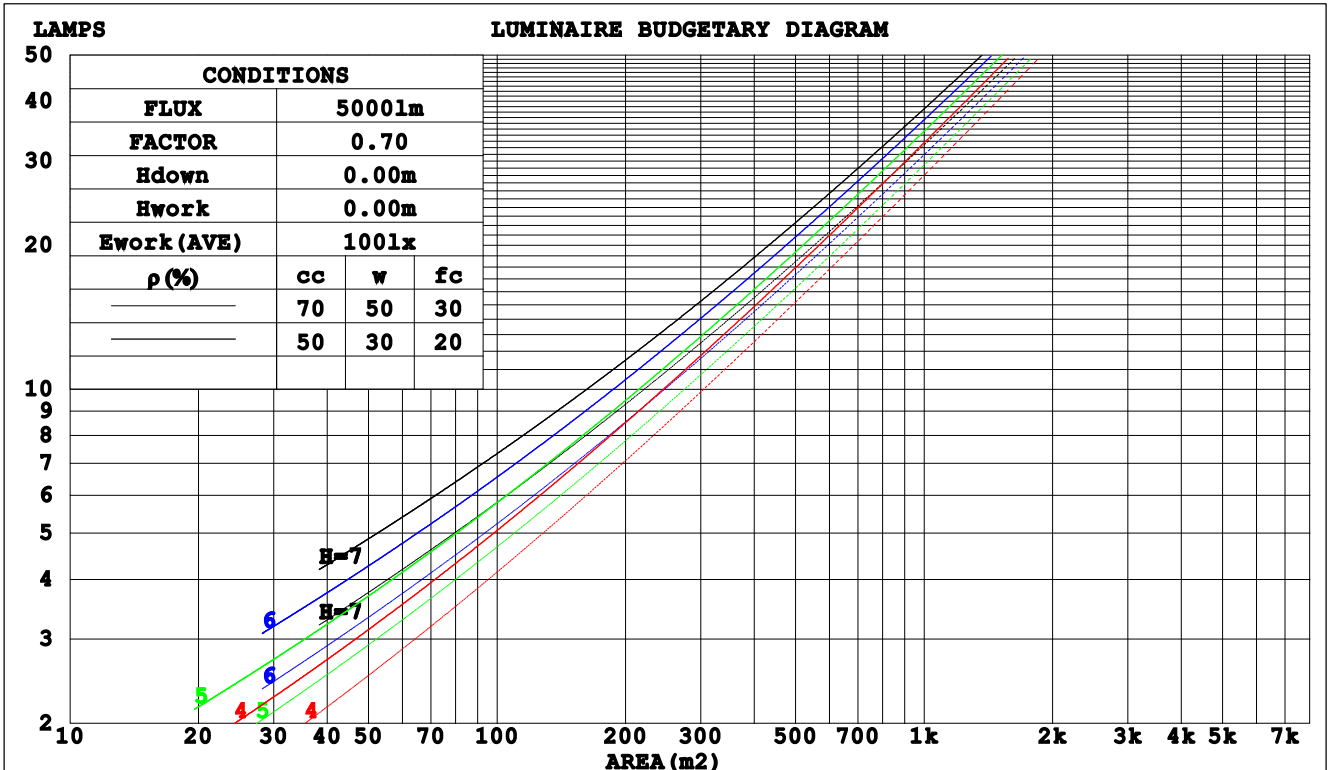
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:11.780m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.88	.85	.83	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.65	.58	.53	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.35	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	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	.319	.181	.057	.311	.177	.056	.296	.170	.054	.283	.163	.052	.271	.157	.051	
2.0	.295	.162	.050	.288	.159	.049	.275	.153	.048	.263	.148	.046	.252	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.137	.042	.243	.133	.041	.233	.129	.040	
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.224	.121	.036	.216	.117	.036	
5.0	.230	.117	.034	.225	.116	.034	.216	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027	
8.0	.185	.090	.025	.182	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.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	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.197	.172	.150	.169	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.114	.162	.128	.099	.111	.088	.069	.064	.051	.040	.021	.017	.013	
3.0	.181	.131	.091	.155	.113	.079	.107	.078	.055	.062	.046	.032	.020	.015	.011	
4.0	.173	.118	.075	.149	.102	.065	.102	.071	.046	.059	.041	.027	.019	.014	.009	
5.0	.166	.107	.064	.143	.093	.056	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.099	.056	.136	.086	.049	.094	.060	.034	.055	.035	.020	.018	.012	.007	
7.0	.152	.092	.050	.131	.080	.044	.090	.056	.031	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.046	.125	.075	.040	.087	.053	.028	.050	.031	.017	.016	.010	.006	
9.0	.139	.081	.042	.120	.071	.037	.083	.050	.026	.048	.029	.016	.016	.010	.005	
10.0	.134	.077	.039	.115	.067	.034	.080	.047	.024	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm										
NAME: S18432-3K					TYPE:LED CEILING LAMP			WEIGHT:		
SPEC.:16W 3000K					DIM.: 320x320x82.3mm			SERIAL No.:		
MFR.:					SUR.:320x320mm			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	17.2	18.6	17.5	18.9	19.1	18.2	19.7	18.5	19.9	20.1
3H	18.4	19.7	18.7	20.0	20.3	19.7	21.1	20.0	21.4	21.6
4H	18.8	20.1	19.2	20.4	20.7	20.3	21.7	20.7	21.9	22.3
6H	19.1	20.4	19.5	20.7	21.0	20.9	22.1	21.2	22.4	22.7
8H	19.2	20.4	19.6	20.7	21.1	21.1	22.3	21.5	22.6	22.9
12H	19.3	20.5	19.7	20.8	21.1	21.3	22.4	21.7	22.8	23.1
4H 2H	17.9	19.2	18.2	19.5	19.8	18.7	20.0	19.0	20.3	20.6
3H	19.2	20.4	19.6	20.7	21.1	20.4	21.6	20.8	21.9	22.3
4H	19.8	20.8	20.2	21.2	21.6	21.2	22.3	21.6	22.6	23.0
6H	20.2	21.1	20.6	21.5	21.9	21.9	22.8	22.3	23.2	23.6
8H	20.3	21.2	20.8	21.6	22.1	22.2	23.1	22.6	23.5	23.9
12H	20.5	21.3	20.9	21.7	22.2	22.5	23.3	22.9	23.7	24.2
8H 4H	20.1	21.0	20.6	21.4	21.8	21.4	22.3	21.9	22.7	23.1
6H	20.7	21.4	21.2	21.9	22.3	22.3	23.0	22.8	23.5	24.0
8H	20.9	21.6	21.4	22.0	22.5	22.7	23.4	23.2	23.8	24.3
12H	21.2	21.7	21.7	22.2	22.7	23.2	23.7	23.7	24.2	24.7
12H 4H	20.2	21.0	20.6	21.4	21.9	21.4	22.2	21.9	22.7	23.1
6H	20.8	21.5	21.3	21.9	22.4	22.4	23.0	22.8	23.5	24.0
8H	21.1	21.7	21.6	22.2	22.7	22.8	23.4	23.4	23.9	24.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 1538 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.5)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

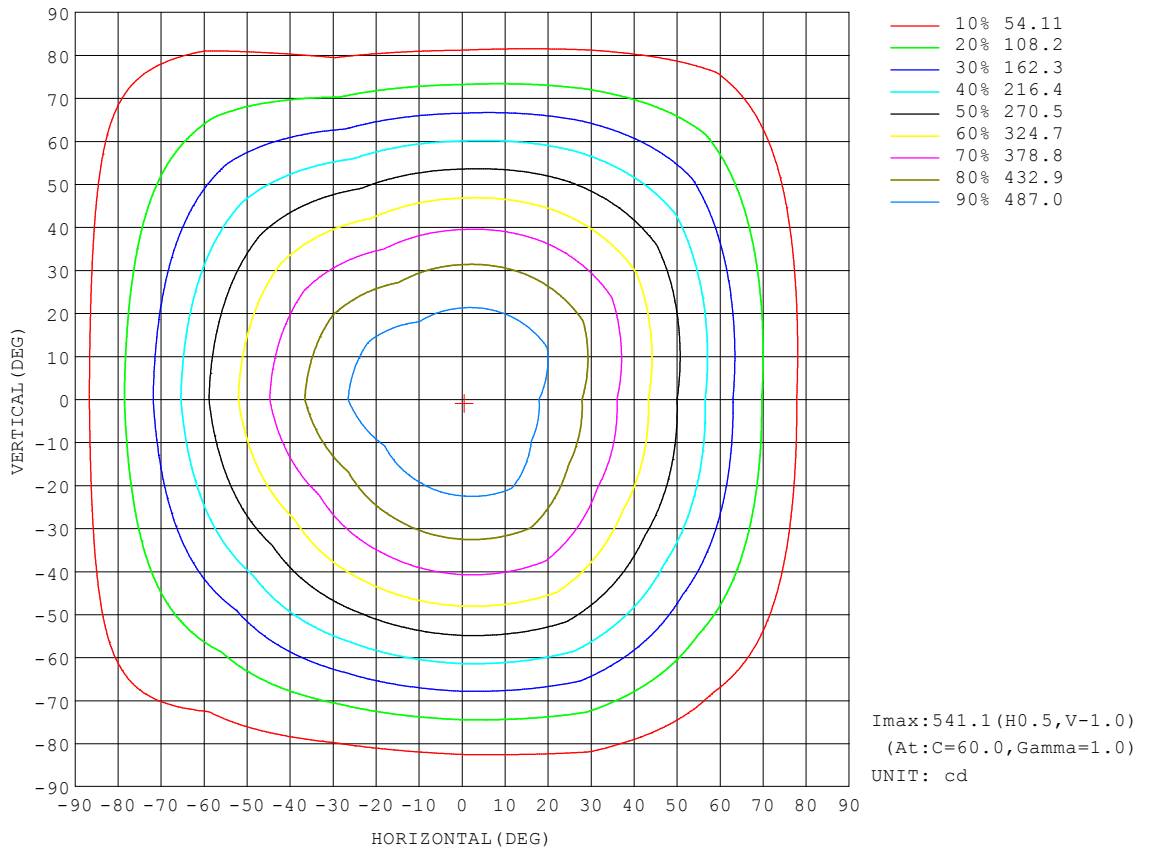
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	71	65	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	96	93	83
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:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



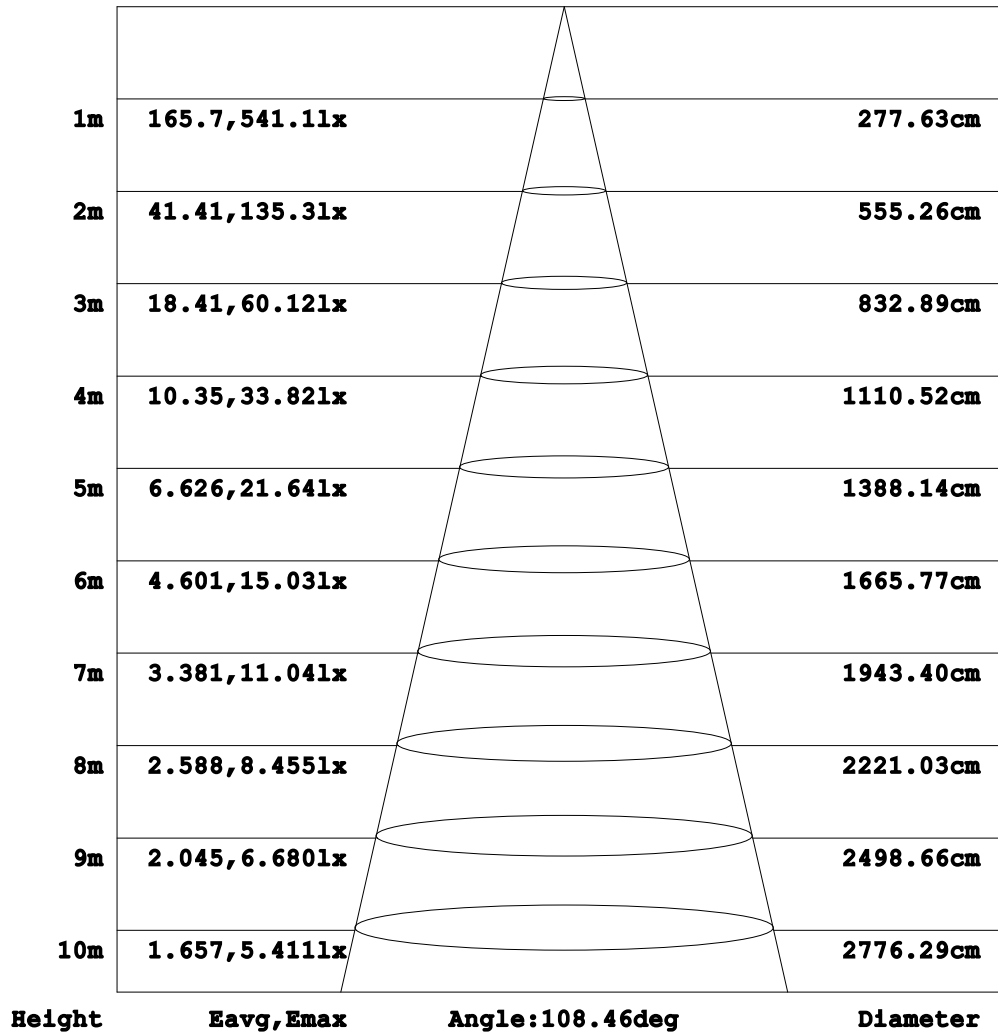
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

AAI Figure

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

Flux out:1061 lm



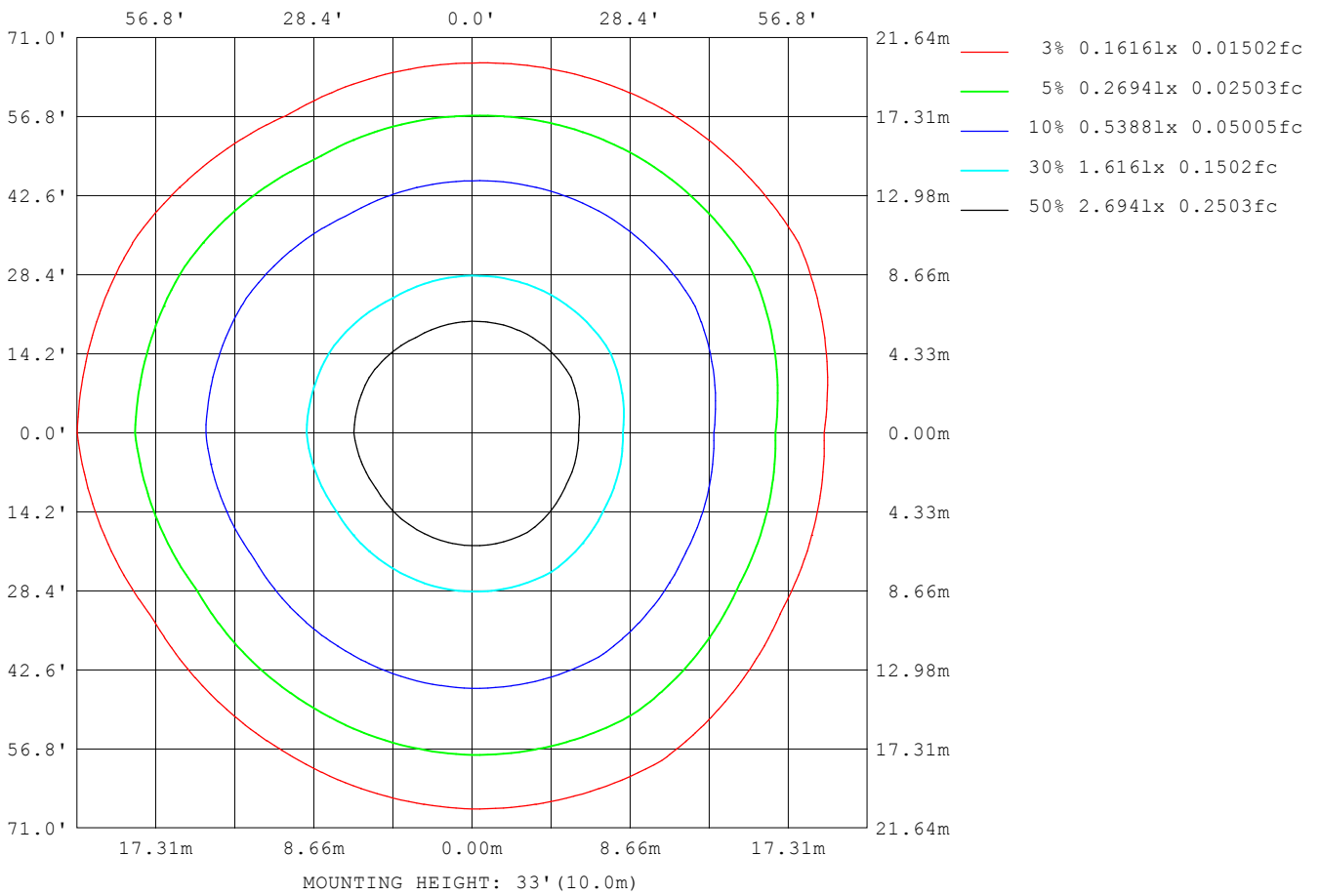
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-02-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:11.780m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.40V I:0.1164A P:16.770W PF:0.5991 Freq:49.98Hz Lamp Flux:1538.13x1 lm		
NAME: S18432-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

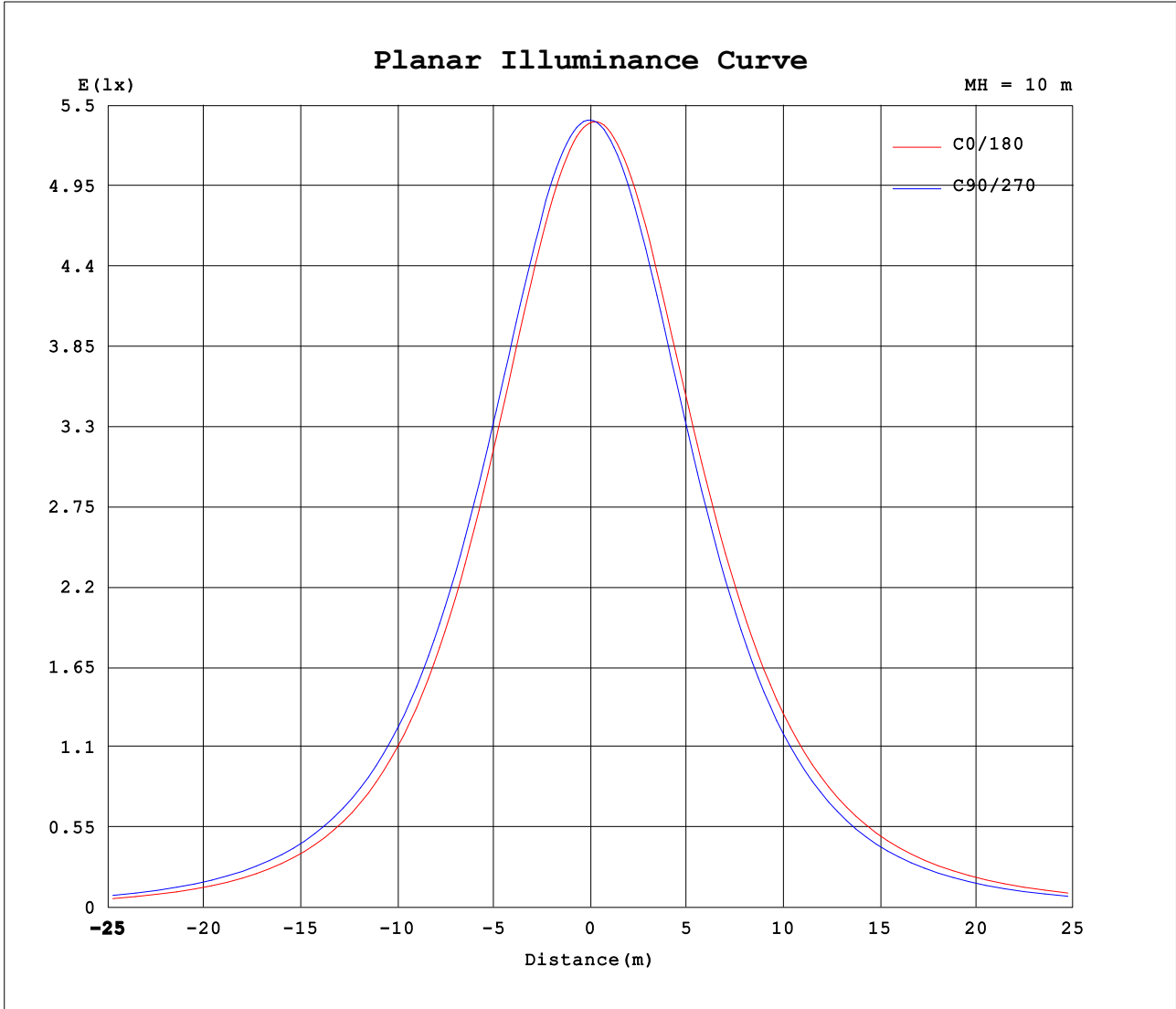
AvgL	cd/m2
L_0~180 (65) av	4322
L_0~180 (75) av	4000
L_0~180 (85) av	4929
L_90~270 (65) av	4275
L_90~270 (75) av	3831
L_90~270 (85) av	4419
L_45 (65) av	4287
L_45 (75) av	3856
L_45 (85) av	4498

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:11.780m [K=1.0000]
 Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	538	539	541	540	540	540	538	539	541	540	540	540							
5	531	533	540	538	537	536	541	540	537	536	538	538							
10	518	521	533	531	528	527	537	535	527	527	530	531							
15	500	503	520	516	513	511	529	525	510	513	515	518							
20	477	481	503	498	494	491	513	509	489	493	497	500							
25	450	455	480	475	470	467	494	489	465	469	474	478							
30	420	426	454	448	442	439	470	464	437	440	447	451							
35	386	393	424	417	411	408	442	435	405	409	416	421							
40	350	357	390	384	376	374	411	403	370	375	383	387							
45	312	320	354	348	340	337	377	368	334	338	347	351							
50	271	280	316	310	301	298	340	331	295	299	309	313							
55	229	239	276	270	259	258	302	292	254	258	269	272							
60	187	196	234	229	218	217	261	250	213	217	228	231							
65	146	154	191	186	176	175	220	209	171	175	186	189							
70	106	113	149	145	134	133	178	166	130	133	144	147							
75	70.9	76.6	108	104	94.8	93.8	136	125	91.2	94.1	104	107							
80	42.7	47.6	71.8	69.0	60.9	60.5	97.2	87.9	58.6	60.7	68.1	71.3							
85	22.3	26.1	44.0	41.8	35.6	35.1	63.6	56.6	34.0	35.2	40.5	43.0							
90	9.84	12.3	24.0	21.2	18.0	18.0	37.5	32.6	16.7	16.6	20.4	22.1							
95	3.78	4.51	9.78	7.81	6.82	7.32	19.5	15.7	5.49	5.25	7.44	8.45							
100	2.23	2.22	3.61	2.90	2.66	3.01	8.88	6.23	2.00	1.73	2.23	2.62							
105	2.55	2.43	2.21	2.32	2.47	2.50	3.88	2.54	1.84	1.73	1.65	1.73							
110	3.04	2.75	2.44	2.61	2.74	2.79	2.52	2.16	2.18	2.05	1.94	2.06							
115	3.61	3.19	2.78	2.97	3.08	3.07	2.84	2.57	2.58	2.43	2.32	2.50							
120	4.16	3.80	3.16	3.34	3.43	3.43	3.33	3.02	2.97	2.84	2.73	2.95							
125	4.63	4.28	3.55	3.72	3.77	3.95	3.88	3.48	3.37	3.22	3.14	3.44							
130	5.03	4.87	3.97	4.08	4.14	4.54	4.42	3.94	3.80	3.59	3.61	3.97							
135	5.42	5.49	4.49	4.47	4.51	5.17	4.90	4.46	4.28	4.01	4.02	4.48							
140	5.83	6.03	5.07	4.95	5.03	5.82	5.32	5.01	4.98	4.40	4.52	5.11							
145	6.23	6.52	5.73	5.71	6.00	6.42	5.77	5.55	5.56	4.80	4.81	5.54							
150	6.55	6.91	6.33	6.61	6.98	6.91	6.21	6.07	5.98	5.39	5.30	5.74							
155	7.08	7.29	7.00	7.36	7.46	7.27	6.77	6.58	6.44	6.17	5.91	5.88							
160	7.58	7.61	7.52	7.78	7.75	7.57	7.33	7.06	6.85	6.59	6.32	6.15							
165	8.03	7.80	7.86	7.92	7.96	7.85	7.86	7.47	7.41	6.83	6.54	6.43							
170	8.30	8.06	8.04	8.09	8.23	8.39	8.14	8.01	7.93	7.18	6.94	6.77							
175	9.17	9.12	9.13	9.56	9.74	9.36	8.70	9.04	9.58	9.61	8.99	8.03							
180	9.16	9.35	9.72	9.73	9.81	9.11	9.16	9.37	9.71	9.72	9.80	9.10							

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