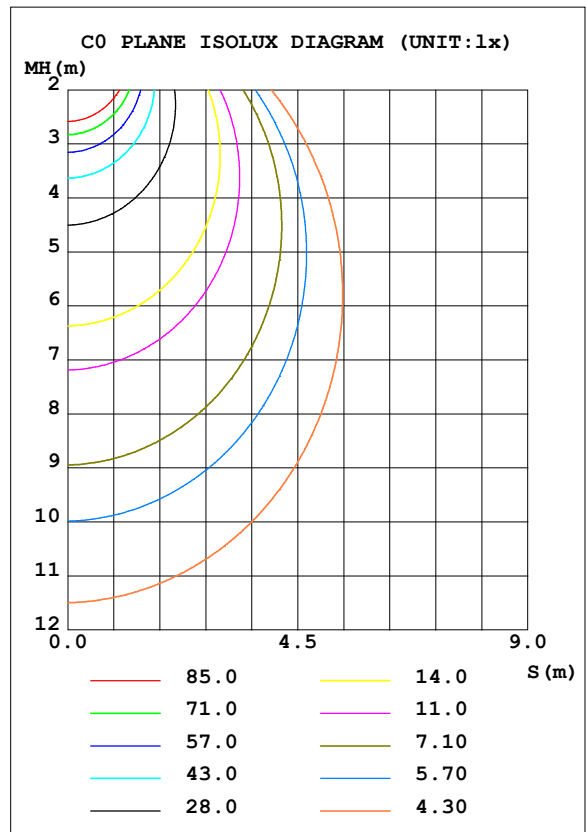
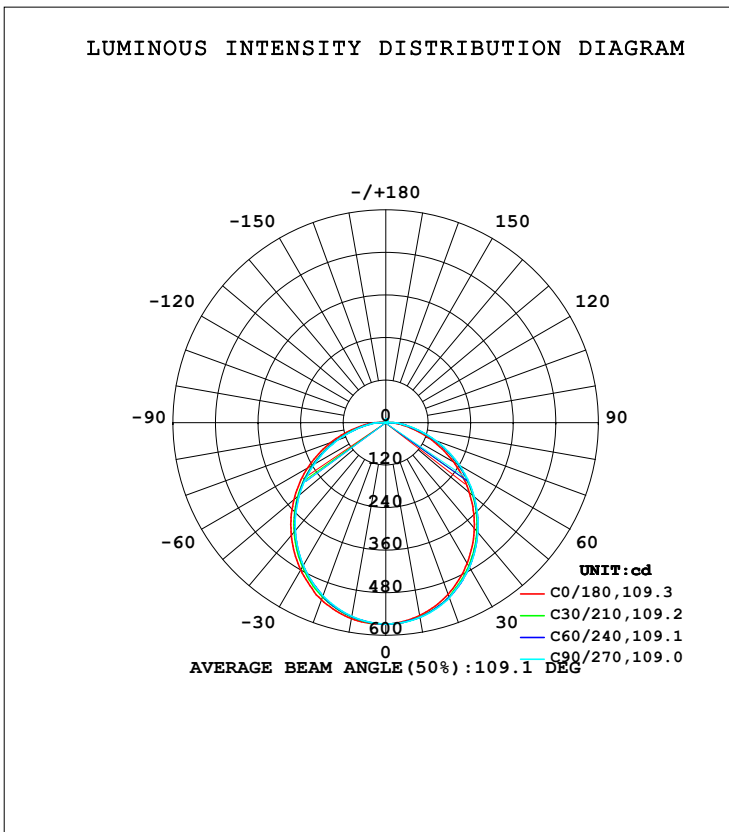


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.68 lm/W			
MODEL	S18436-3K	I _{max} (cd)	568.7	S/MH (C0/180)	1.26
NOMINAL POWER (W)	15.7746	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1619.7	η UP, DN (C0-180)	1.0, 49.3
NOMINAL FLUX (lm)	1619.66	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.0, 48.7
LAMPS INSIDE	1	η up (%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.548	η down (%)	98.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-11-25

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:

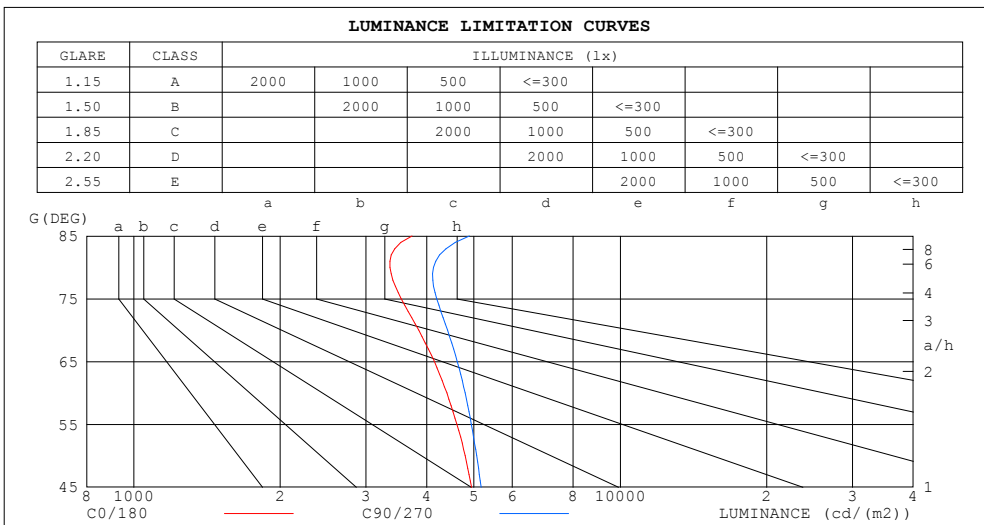
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	☉ zone	☉ total	lum, lamp
10	552.3	556.8	557.6	558.8	561.0	555.9	554.5	552.4	0- 10	53.64	53.64	3.31,3.31
20	515.0	524.0	525.6	528.2	531.6	521.4	519.5	514.5	10- 20	152.9	206.5	12.7,12.7
30	458.7	469.5	471.3	476.5	480.1	467.9	465.4	460.1	20- 30	229.1	435.6	26.9,26.9
40	388.7	401.6	404.1	410.6	415.1	400.4	397.1	391.1	30- 40	273.0	708.5	43.7,43.7
50	308.3	322.9	325.8	333.4	338.5	322.3	318.5	311.2	40- 50	279.9	988.4	61,61
60	220.0	236.1	239.9	247.9	254.0	236.5	232.0	224.0	50- 60	250.2	1239	76.5,76.5
70	131.7	147.2	151.0	159.1	165.5	148.3	144.1	135.6	60- 70	189.9	1429	88.2,88.2
80	58.35	68.86	71.75	78.14	83.71	69.83	67.19	61.26	70- 80	112.8	1541	95.2,95.2
90	15.65	20.16	21.16	25.59	27.53	21.11	19.02	17.28	80- 90	46.51	1588	98,98
100	2.693	2.634	2.561	3.371	4.436	2.401	2.290	2.407	90-100	10.35	1598	98.7,98.7
110	2.973	2.436	2.368	2.271	2.021	2.159	2.315	2.441	100-110	2.325	1601	98.8,98.8
120	3.909	3.217	3.243	3.174	2.966	3.004	3.190	3.251	110-120	2.757	1603	99,99
130	4.750	4.105	4.154	4.196	4.006	3.962	4.108	4.248	120-130	3.303	1607	99.2,99.2
140	5.557	5.128	4.986	5.276	4.813	4.886	4.933	5.266	130-140	3.579	1610	99.4,99.4
150	6.241	6.135	6.141	6.390	5.636	5.930	5.782	6.369	140-150	3.507	1614	99.6,99.6
160	7.560	6.983	7.405	7.438	6.616	7.022	6.857	6.984	150-160	3.072	1617	99.8,99.8
170	8.296	7.873	7.787	7.968	7.743	7.804	7.360	7.683	160-170	2.100	1619	99.9,99.9
180	9.355	9.858	9.199	9.494	9.364	9.858	9.199	9.494	170-180	0.8259	1620	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:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	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	3731	4895
80	3360	4132
75	3546	4195
70	3852	4414
65	4147	4622
60	4400	4798
55	4611	4943
50	4797	5068
45	4944	5176

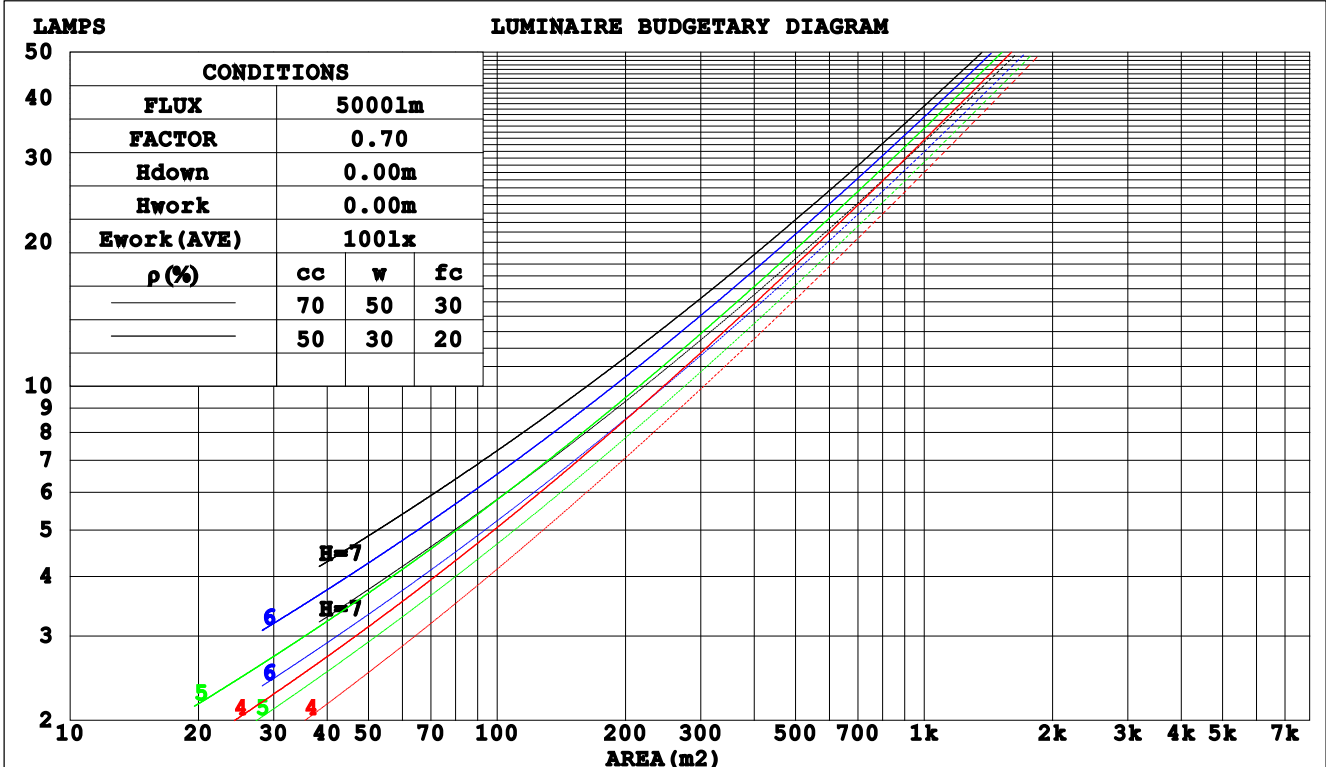
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	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																
pfc																
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	.99	.95	1.00	.96	.93	.96	.93	.90	.92	.89	.86	.88	.86	.83	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
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	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.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	.35	.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	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	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	.318	.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	.264	.148	.046	.253	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.254	.138	.042	.243	.133	.041	.234	.129	.040	
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.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	.101	.030	.186	.098	.029	
7.0	.198	.098	.028	.195	.097	.028	.187	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.185	.090	.025	.182	.089	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.165	.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	.205	.205	.205	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.196	.171	.149	.168	.147	.128	.115	.101	.089	.066	.058	.051	.021	.019	.017	
2.0	.188	.147	.113	.161	.127	.098	.110	.088	.068	.064	.051	.040	.020	.016	.013	
3.0	.180	.130	.089	.154	.112	.078	.106	.078	.054	.061	.045	.032	.020	.015	.010	
4.0	.172	.116	.074	.148	.101	.064	.102	.070	.045	.059	.041	.027	.019	.013	.009	
5.0	.165	.106	.063	.142	.092	.054	.097	.064	.038	.056	.038	.023	.018	.012	.008	
6.0	.158	.098	.055	.135	.085	.048	.093	.059	.034	.054	.035	.020	.017	.011	.007	
7.0	.151	.091	.049	.130	.079	.042	.090	.055	.030	.052	.032	.018	.017	.011	.006	
8.0	.144	.085	.044	.124	.074	.039	.086	.052	.027	.050	.031	.016	.016	.010	.005	
9.0	.138	.080	.041	.119	.069	.036	.082	.049	.025	.048	.029	.015	.016	.009	.005	
10.0	.132	.076	.038	.114	.066	.033	.079	.046	.024	.046	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	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	18.0	19.5	18.3	19.7	20.0	18.2	19.7	18.5	20.0	20.2
3H	19.4	20.8	19.7	21.0	21.3	19.8	21.1	20.1	21.4	21.7
4H	19.9	21.3	20.3	21.5	21.8	20.4	21.7	20.7	22.0	22.3
6H	20.4	21.6	20.7	21.9	22.2	20.9	22.1	21.3	22.4	22.8
8H	20.5	21.7	20.9	22.0	22.4	21.1	22.3	21.5	22.6	23.0
12H	20.6	21.8	21.0	22.1	22.5	21.3	22.5	21.7	22.8	23.1
4H 2H	18.6	20.0	19.0	20.2	20.5	18.8	20.1	19.2	20.4	20.7
3H	20.2	21.4	20.6	21.7	22.1	20.5	21.7	20.9	22.0	22.4
4H	20.9	22.0	21.3	22.3	22.7	21.3	22.3	21.7	22.7	23.1
6H	21.5	22.4	21.9	22.8	23.2	21.9	22.9	22.4	23.3	23.7
8H	21.7	22.6	22.2	23.0	23.4	22.2	23.1	22.7	23.5	23.9
12H	21.9	22.7	22.4	23.1	23.6	22.5	23.3	22.9	23.7	24.2
8H 4H	21.2	22.1	21.7	22.5	22.9	21.5	22.4	22.0	22.8	23.3
6H	22.0	22.7	22.5	23.2	23.6	22.4	23.1	22.8	23.5	24.0
8H	22.3	23.0	22.8	23.4	23.9	22.8	23.4	23.3	23.9	24.4
12H	22.6	23.2	23.1	23.7	24.2	23.2	23.7	23.7	24.2	24.7
12H 4H	21.3	22.1	21.7	22.5	22.9	21.6	22.4	22.0	22.8	23.2
6H	22.1	22.7	22.6	23.2	23.7	22.4	23.1	22.9	23.6	24.1
8H	22.5	23.0	23.0	23.5	24.0	22.9	23.5	23.4	23.9	24.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 1620 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.7)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

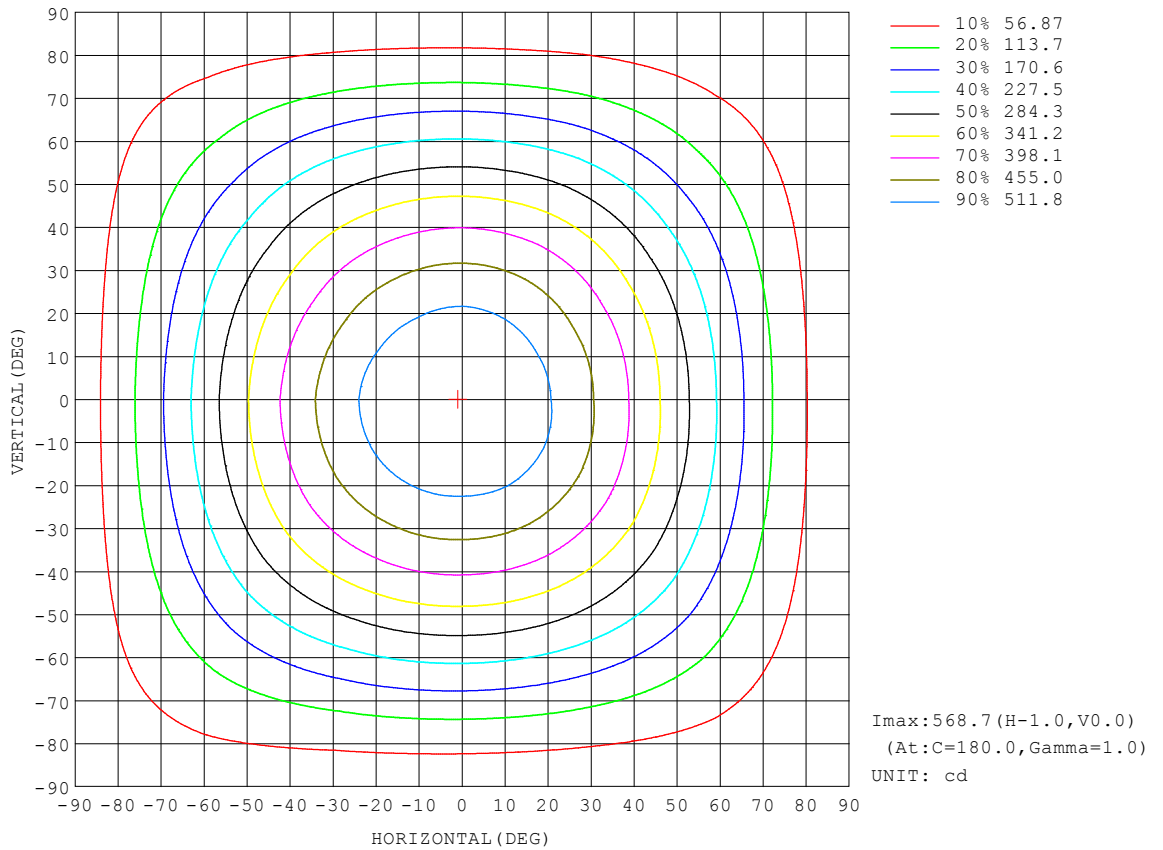
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	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	92	86	81	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	100	97	93	84
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:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



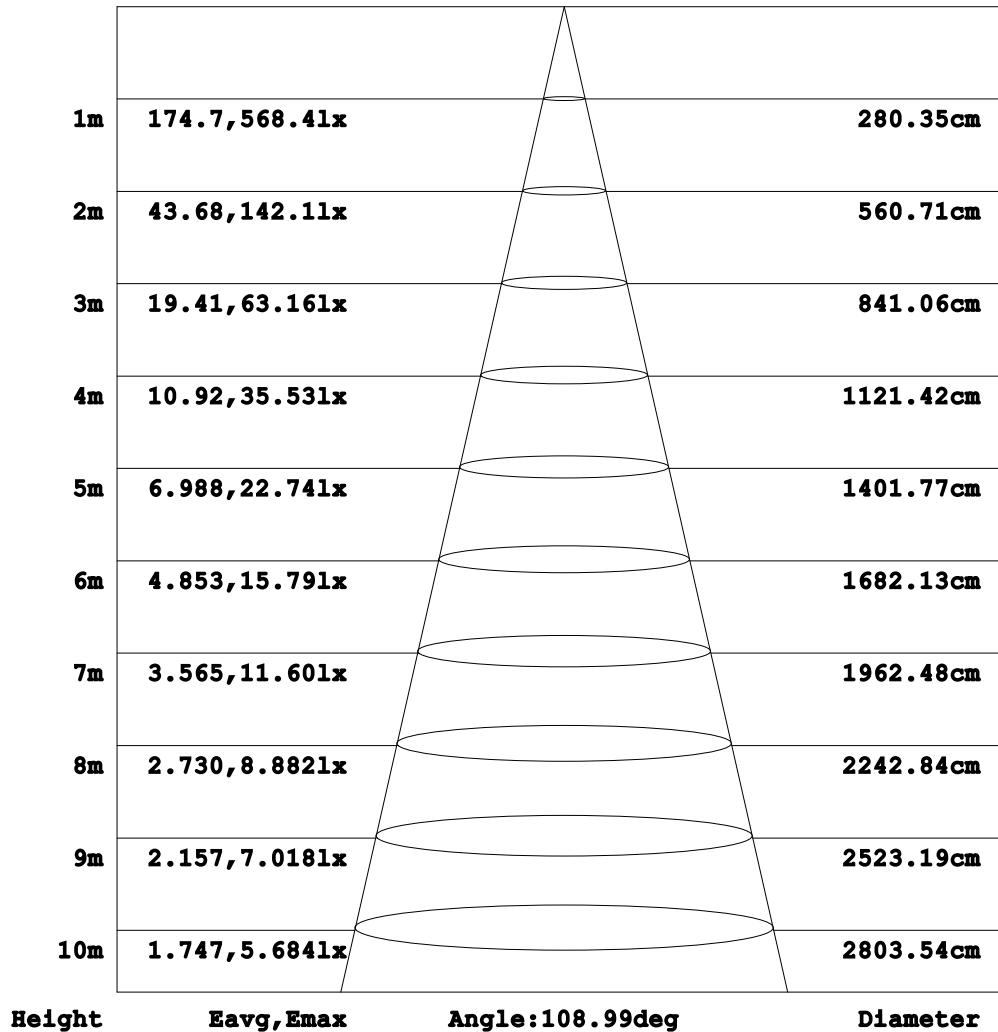
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

Flux out:1119 lm



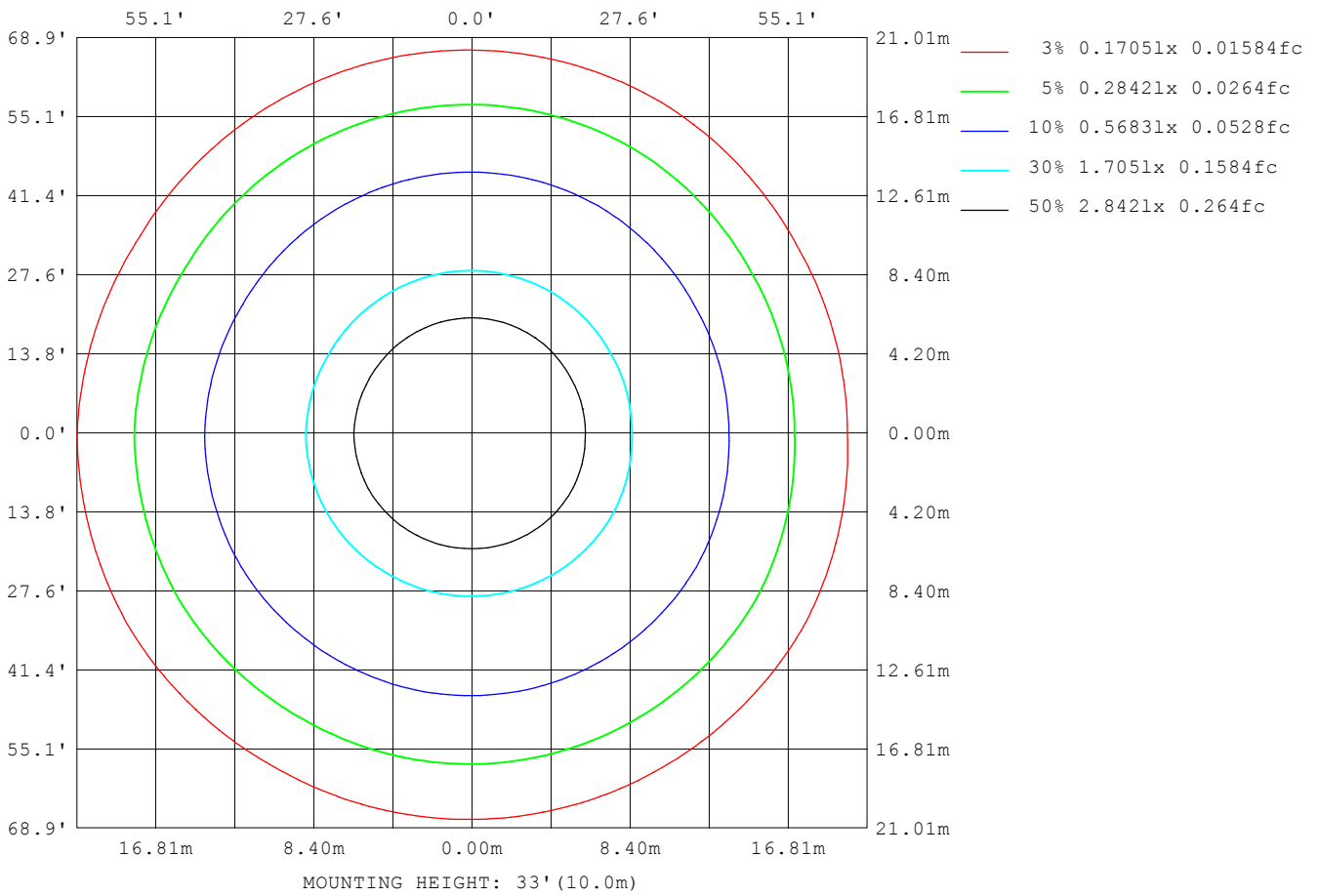
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	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:2023-11-25

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:240.55V I:0.1125A P:15.775W PF:0.5831 Freq:49.99Hz Lamp Flux:1619.66x1 lm		
NAME: S18436-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:16W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

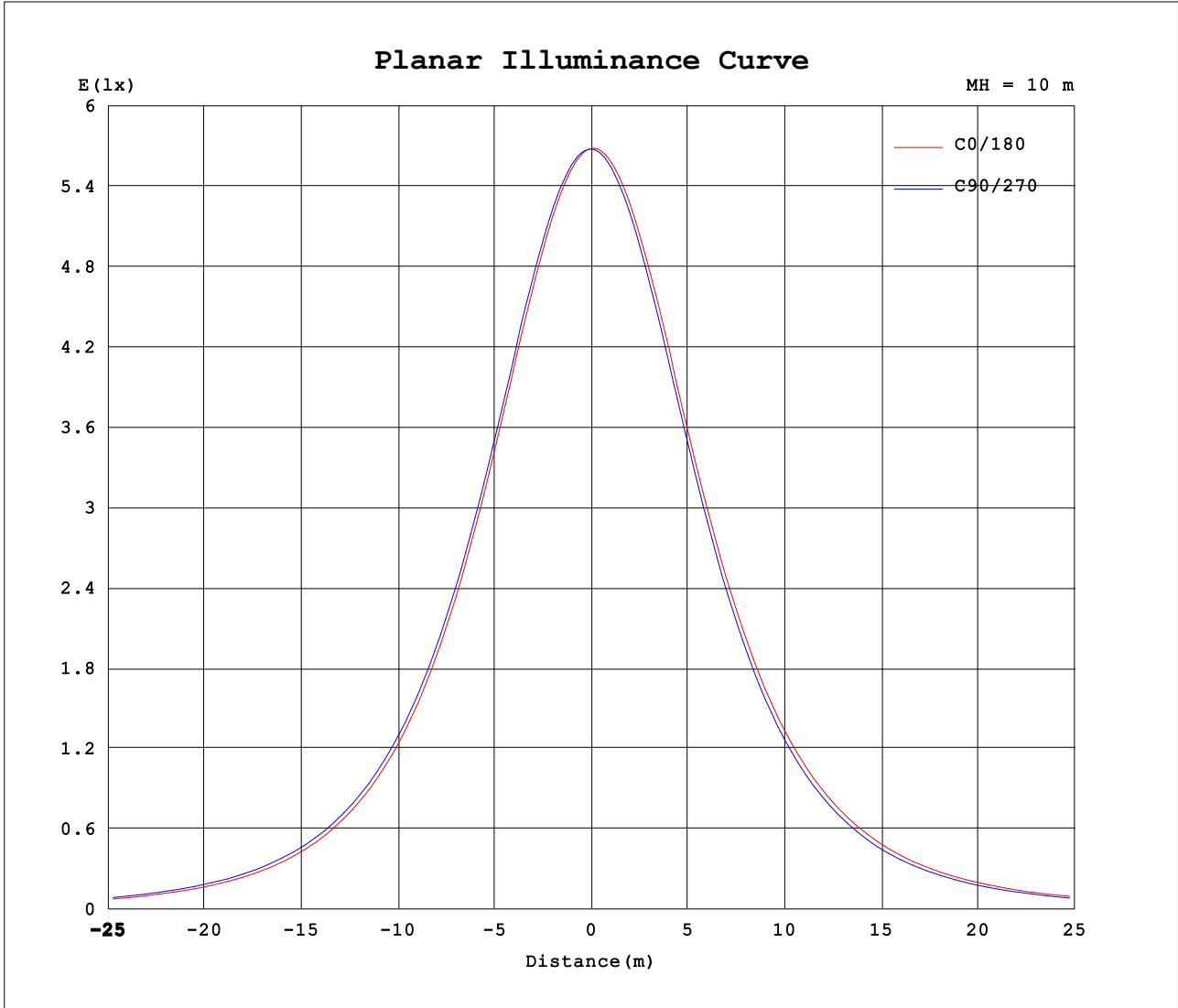
AvgL	cd/m2
L_0~180 (65) av	4557
L_0~180 (75) av	4139
L_0~180 (85) av	4827
L_90~270 (65) av	4534
L_90~270 (75) av	4082
L_90~270 (85) av	4713
L_45 (65) av	4534
L_45 (75) av	4083
L_45 (85) av	4725

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-11-25

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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 C Interval: 30.0DEG
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 Remarks:

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	568	568	568	568	567	567	568	568	568	568	567	567							
5	563	565	565	566	566	566	568	565	564	564	563	562							
10	552	557	557	558	558	560	561	556	555	555	554	551							
15	536	542	543	544	544	548	549	542	541	540	539	535							
20	515	524	524	526	526	530	532	523	520	520	515	514							
25	489	496	500	499	502	506	507	499	494	494	492	488							
30	459	468	471	471	474	479	480	470	466	465	463	458							
35	425	436	439	439	442	448	449	438	434	433	430	424							
40	389	400	403	404	407	414	415	403	398	397	394	388							
45	350	362	365	366	369	377	378	365	360	359	356	348							
50	308	321	324	326	329	337	338	324	320	318	315	307							
55	264	279	282	284	287	296	297	282	278	276	273	263							
60	220	235	237	240	243	253	254	238	235	232	229	219							
65	175	191	192	195	198	209	210	194	191	188	185	174							
70	132	146	148	151	154	164	166	150	147	144	141	131							
75	91.8	105	106	109	111	121	122	108	105	103	99.5	90.8							
80	58.3	68.4	69.3	71.8	73.7	82.6	83.7	71.1	68.6	67.2	64.7	57.8							
85	32.5	39.9	40.7	42.7	44.4	51.0	51.6	42.2	40.5	39.5	38.1	33.1							
90	15.7	19.9	20.4	21.2	23.2	27.9	27.5	21.3	20.9	19.0	18.9	15.6							
95	6.33	7.89	7.17	7.58	9.14	12.1	12.2	8.49	7.31	6.47	6.87	5.44							
100	2.69	2.77	2.49	2.56	2.88	3.86	4.44	2.59	2.21	2.29	2.50	2.32							
105	2.49	2.15	2.02	2.02	2.02	2.03	1.92	1.80	1.80	1.94	2.04	2.17							
110	2.97	2.52	2.36	2.37	2.36	2.19	2.02	2.16	2.16	2.31	2.39	2.50							
115	3.48	2.92	2.73	2.81	2.83	2.62	2.46	2.58	2.54	2.75	2.79	2.89							
120	3.91	3.33	3.10	3.24	3.29	3.05	2.97	3.00	3.01	3.19	3.22	3.28							
125	4.33	3.76	3.53	3.71	3.75	3.60	3.48	3.48	3.50	3.66	3.67	3.80							
130	4.75	4.27	3.94	4.15	4.27	4.13	4.01	3.92	4.01	4.11	4.11	4.39							
135	5.15	4.81	4.33	4.56	4.84	4.59	4.44	4.39	4.44	4.52	4.52	4.99							
140	5.56	5.36	4.90	4.99	5.37	5.19	4.81	4.89	4.88	4.93	4.90	5.63							
145	5.89	5.80	5.48	5.45	5.84	5.78	5.20	5.38	5.39	5.31	5.42	6.22							
150	6.24	6.33	5.94	6.14	6.53	6.25	5.64	5.83	6.03	5.78	6.00	6.74							
155	7.15	6.69	6.48	6.97	7.23	6.75	6.05	6.38	6.71	6.57	6.51	6.97							
160	7.56	7.05	6.92	7.40	7.69	7.19	6.62	6.87	7.17	6.86	6.86	7.11							
165	7.89	7.35	7.39	7.59	7.85	7.60	7.28	7.30	7.46	7.01	7.15	7.39							
170	8.30	7.82	7.92	7.79	8.01	7.93	7.74	7.84	7.77	7.36	7.51	7.85							
175	9.03	9.26	9.59	9.16	8.78	9.08	9.24	9.61	9.19	8.75	9.22	9.22							
180	9.35	9.79	9.93	9.20	9.43	9.55	9.36	9.79	9.93	9.20	9.44	9.55							

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