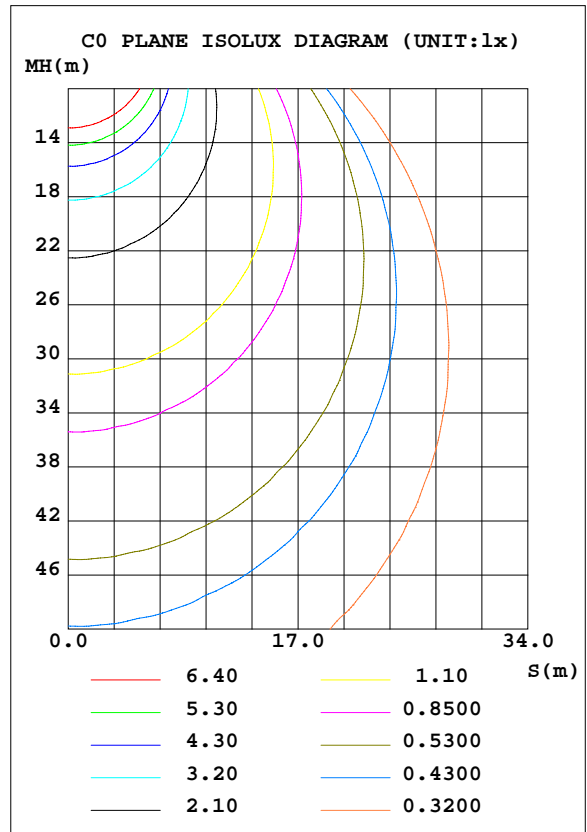
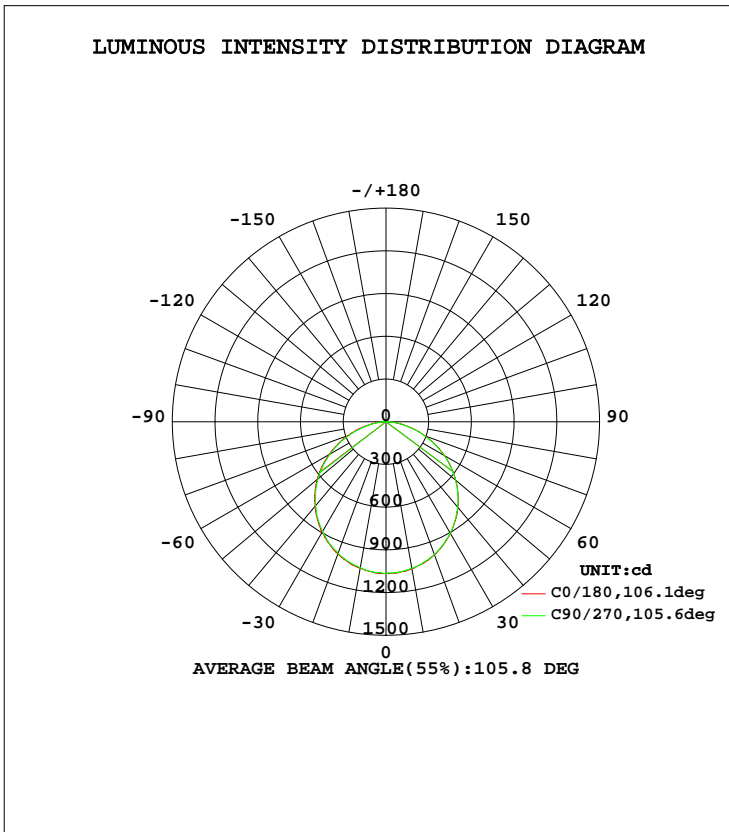


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.51 lm/W			
MODEL	5000K	I _{max} (cd)	1067	S/MH(C0/180)	1.26
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3032.9	η UP, DN(C0-180)	0.1, 50.5
NOMINAL FLUX(lm)	3032.76	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.4
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.5	η down(%)	99.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	Flum, lamp
10	1050	1044	1045	1041					0- 10	100.7	100.7	3.32,3.32
20	995.1	992.5	988.5	983.7					10- 20	288.4	389.2	12.8,12.8
30	906.2	902.1	897.7	889.7					20- 30	437.0	826.2	27.2,27.2
40	786.0	783.6	774.8	769.7					30- 40	526.5	1353	44.6,44.6
50	640.5	637.6	630.4	622.7					40- 50	546.3	1899	62.6,62.6
60	473.3	471.0	464.2	454.2					50- 60	492.7	2392	78.9,78.9
70	294.8	289.0	284.9	274.2					60- 70	371.7	2763	91.1,91.1
80	122.7	118.3	117.1	104.4					70- 80	209.3	2973	98,98
90	2.403	1.494	1.183	0.3297					80- 90	54.22	3027	99.8,99.8
100	0.3894	0.3422	0.4922	0.3990					90-100	0.5199	3028	99.8,99.8
110	0.5343	0.5349	0.7629	0.6837					100-110	0.5416	3028	99.8,99.8
120	0.7268	0.7628	1.026	0.9265					110-120	0.7375	3029	99.9,99.9
130	0.9336	0.9912	1.269	1.155					120-130	0.8730	3030	99.9,99.9
140	1.161	1.205	1.497	1.383					130-140	0.9246	3031	99.9,99.9
150	1.361	1.433	1.689	1.582					140-150	0.8816	3031	100,100
160	1.603	1.589	1.825	1.661					150-160	0.7342	3032	100,100
170	1.803	1.739	1.880	1.732					160-170	0.4890	3033	100,100
180	1.888	1.803	1.896	1.768					170-180	0.1728	3033	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

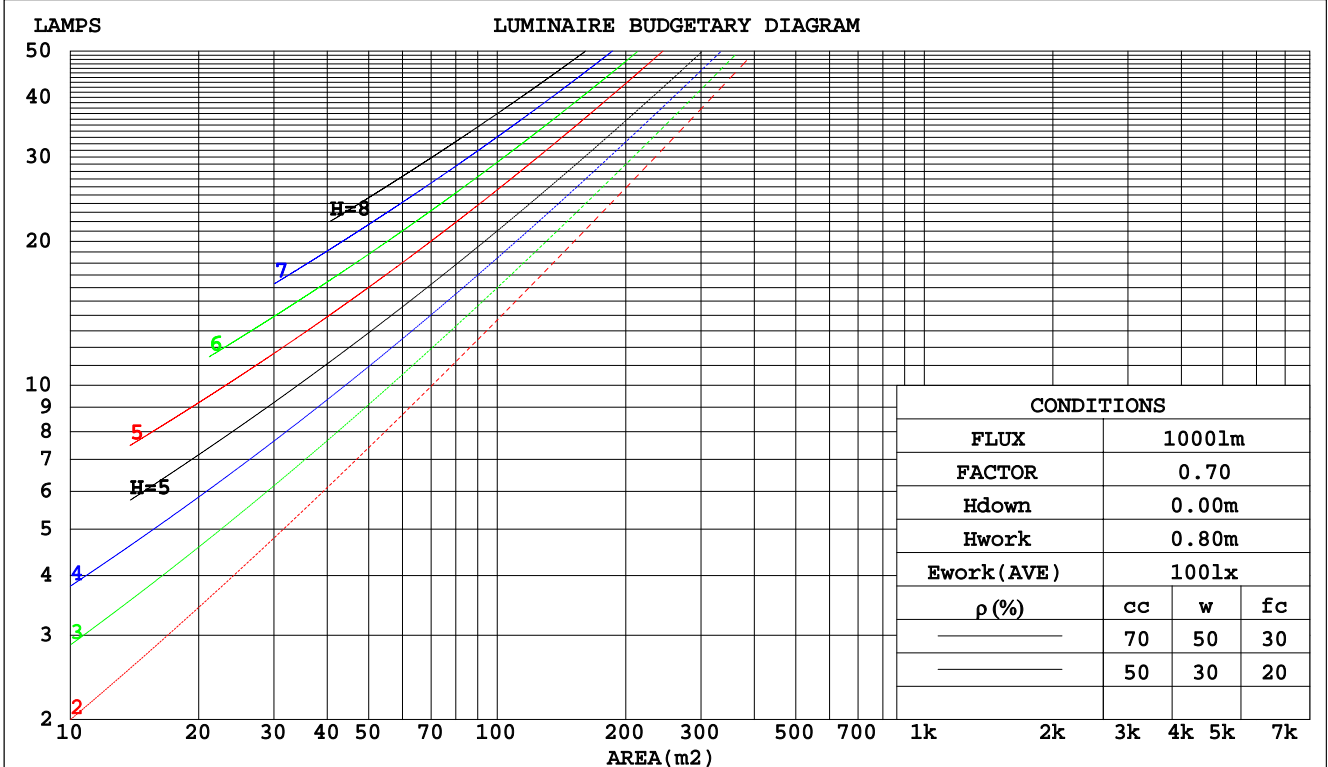
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	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	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.48	.41	.56	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.308	.175	.056	.301	.172	.055	.288	.165	.053	.275	.159	.051	.264	.153	.049	
2.0	.291	.159	.049	.284	.157	.048	.273	.152	.047	.262	.147	.046	.252	.142	.045	
3.0	.269	.143	.043	.264	.141	.043	.253	.137	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.210	.106	.030	.202	.104	.030	.195	.102	.030	.189	.099	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.025	.182	.090	.025	.177	.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	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.158	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.133	.100	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.116	.076	.142	.100	.066	.098	.069	.046	.056	.041	.027	.018	.013	.009	
4.0	.158	.102	.060	.136	.089	.052	.093	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.035	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.081	.047	.021	.047	.028	.013	.015	.009	.004	
8.0	.130	.071	.030	.112	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.124	.066	.027	.107	.057	.023	.074	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm										
NAME: 32寸吸顶灯+背光					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.:					SUR.:			PROTECTION 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	24.0	25.5	24.3	25.7	25.9	24.0	25.5	24.3	25.7	25.9
3H	25.5	26.9	25.8	27.2	27.4	25.5	26.9	25.8	27.1	27.4
4H	26.1	27.5	26.4	27.7	28.0	26.1	27.4	26.4	27.7	27.9
6H	26.5	27.8	26.9	28.1	28.4	26.5	27.7	26.8	28.0	28.3
8H	26.7	27.9	27.0	28.2	28.5	26.6	27.8	26.9	28.1	28.4
12H	26.7	27.9	27.1	28.2	28.5	26.6	27.8	27.0	28.1	28.4
4H 2H	24.6	26.0	24.9	26.2	26.5	24.6	25.9	24.9	26.2	26.5
3H	26.3	27.5	26.7	27.8	28.1	26.3	27.4	26.6	27.7	28.0
4H	27.0	28.1	27.4	28.4	28.8	27.0	28.0	27.4	28.4	28.7
6H	27.6	28.5	28.0	28.9	29.2	27.5	28.4	27.9	28.8	29.2
8H	27.8	28.6	28.2	29.0	29.4	27.7	28.6	28.1	28.9	29.3
12H	27.9	28.7	28.3	29.1	29.5	27.8	28.6	28.2	29.0	29.4
8H 4H	27.3	28.2	27.7	28.5	28.9	27.2	28.1	27.7	28.5	28.9
6H	28.0	28.7	28.4	29.1	29.5	27.9	28.6	28.3	29.0	29.5
8H	28.2	28.9	28.7	29.3	29.8	28.2	28.8	28.6	29.2	29.7
12H	28.4	29.0	28.9	29.4	29.9	28.3	28.9	28.8	29.3	29.8
12H 4H	27.3	28.1	27.7	28.5	28.9	27.2	28.1	27.7	28.4	28.9
6H	28.0	28.7	28.5	29.1	29.6	28.0	28.6	28.4	29.0	29.5
8H	28.3	28.9	28.8	29.3	29.8	28.2	28.8	28.7	29.3	29.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3033 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.9)

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

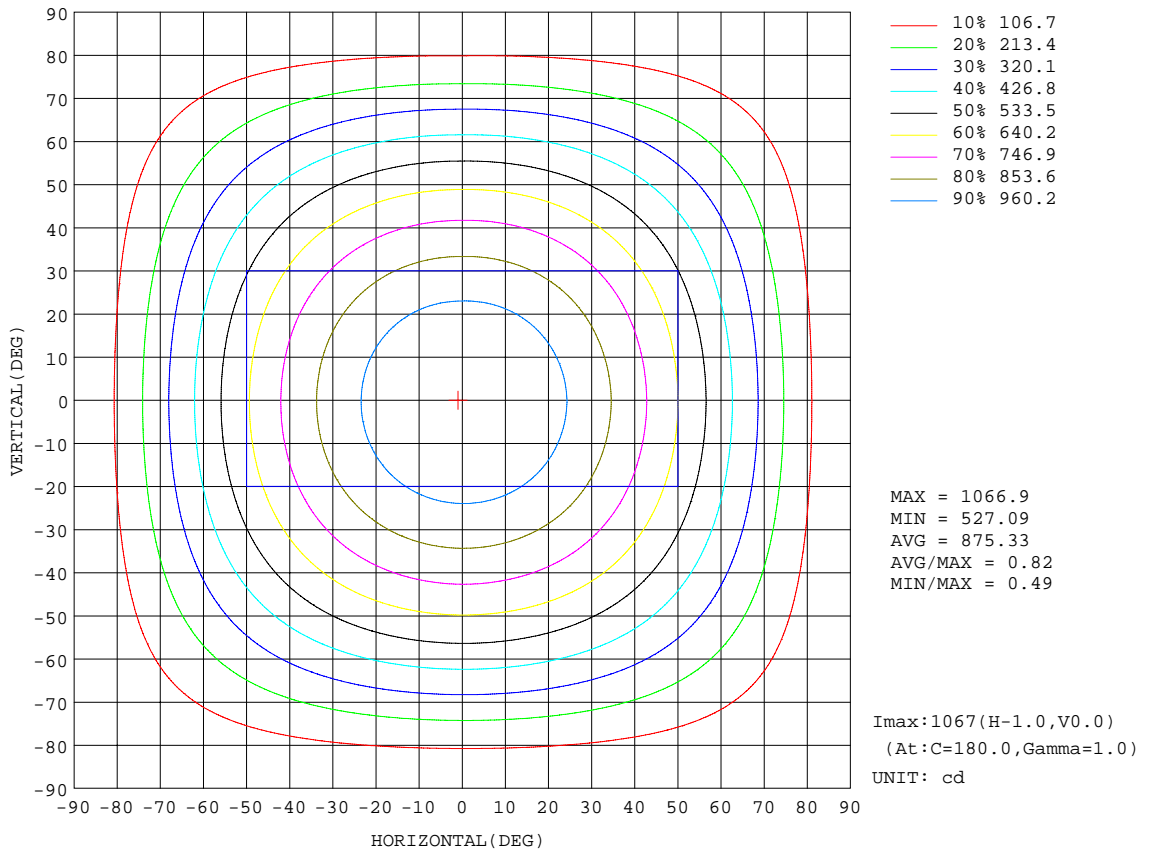
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	55	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	76	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

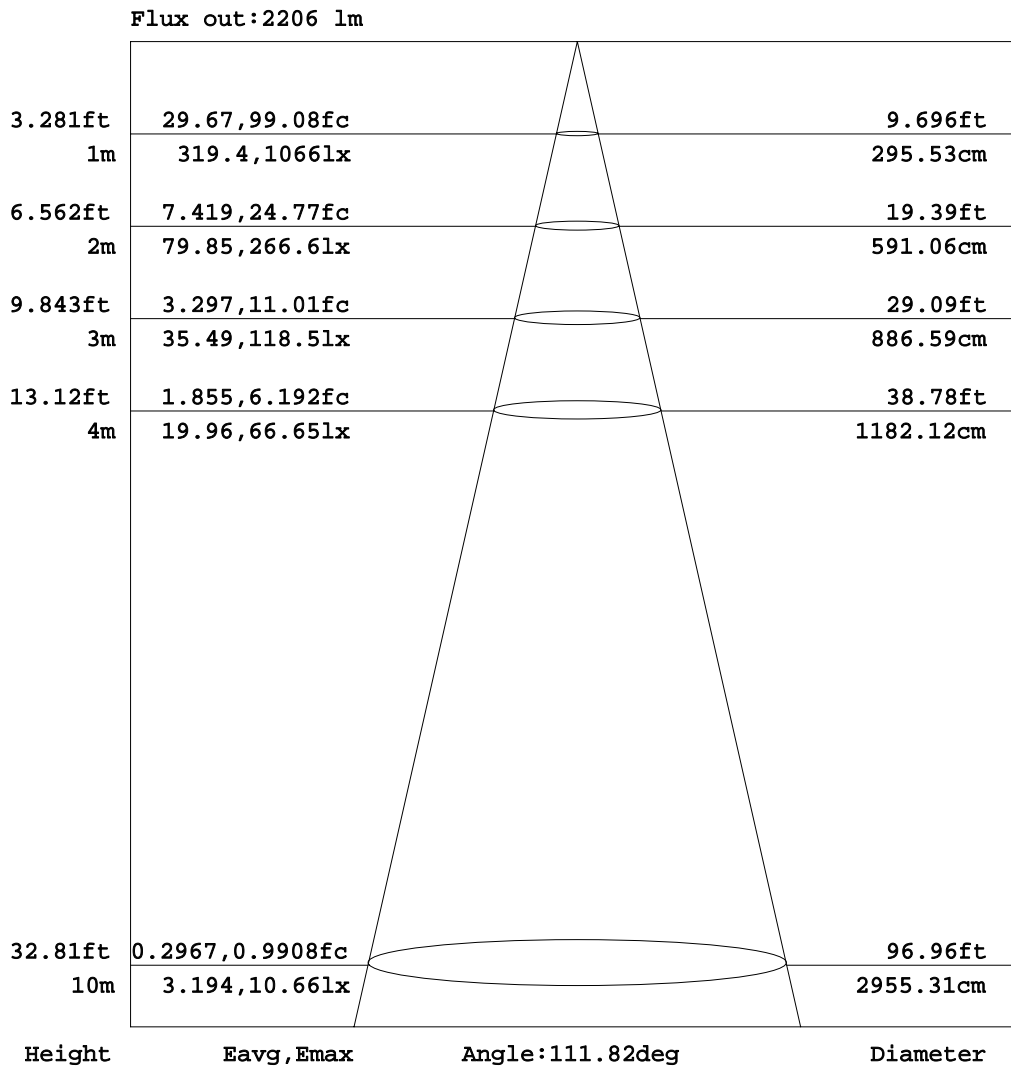


C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



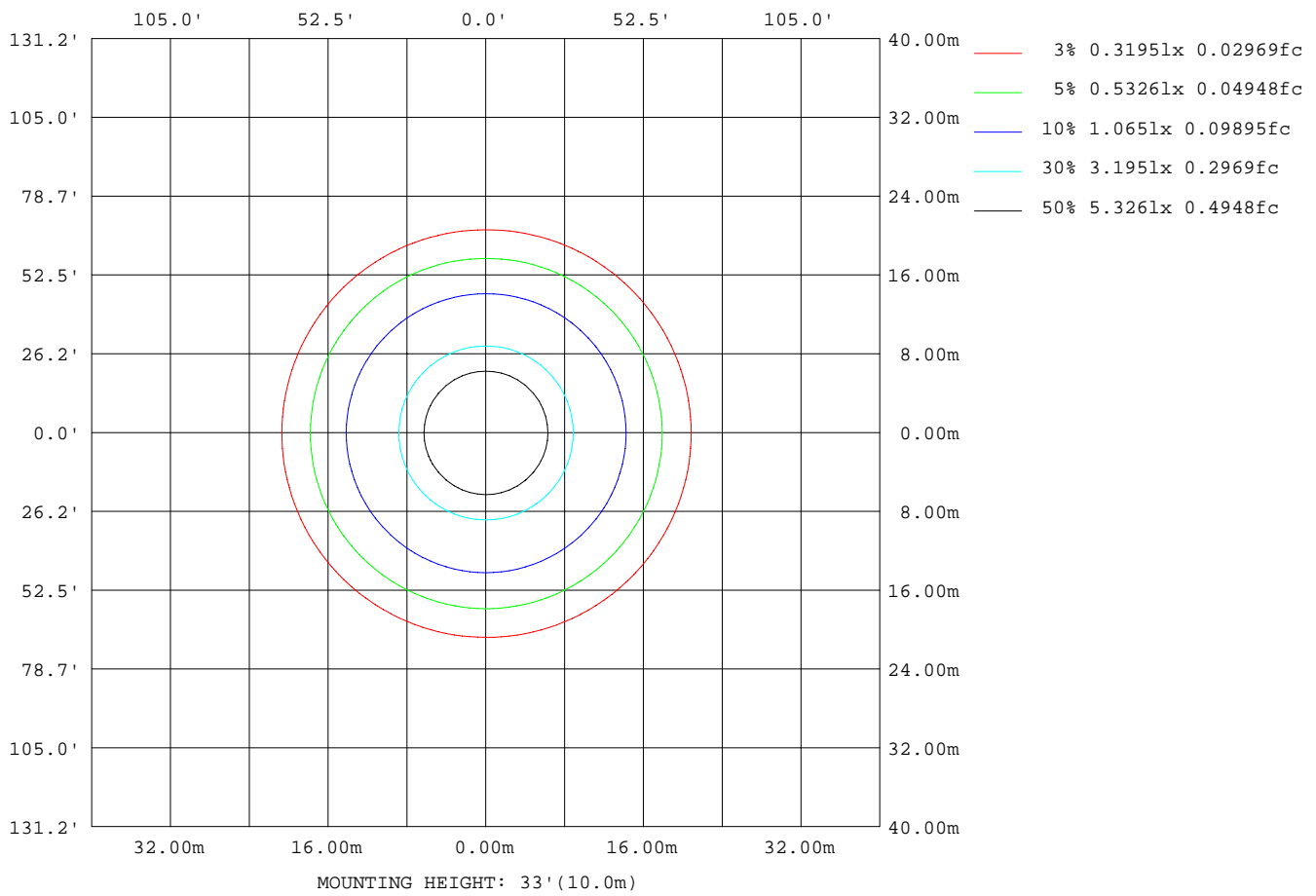
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:9.100m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

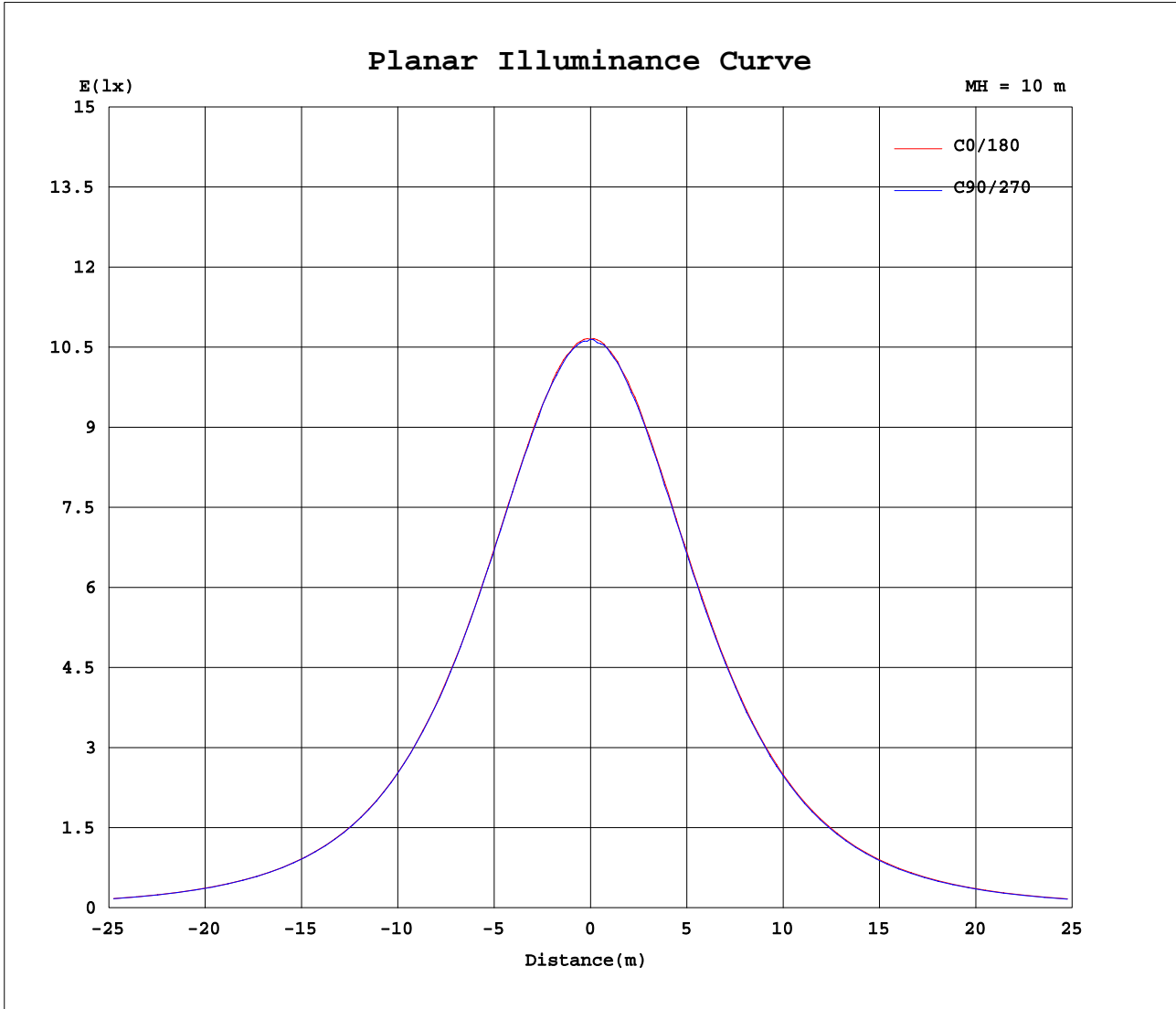
Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.3063A P:36.32W PF:0.9835 Lamp Flux:3032.76x1 lm		
NAME: 32寸吸顶灯+背光	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	90	180	270															
0	1065	1065	1065	1065															
5	1062	1060	1060	1060															
10	1050	1044	1045	1041															
15	1027	1022	1022	1018															
20	995	992	989	984															
25	954	951	944	942															
30	906	902	898	890															
35	849	845	840	833															
40	786	784	775	770															
45	716	714	705	699															
50	640	638	630	623															
55	559	557	549	542															
60	473	471	464	454															
65	384	380	373	365															
70	295	289	285	274															
75	205	200	198	185															
80	123	118	117	104															
85	51.0	48.5	46.7	37.8															
90	2.40	1.49	1.18	0.33															
95	0.38	0.49	0.39	0.31															
100	0.39	0.34	0.49	0.40															
105	0.47	0.43	0.62	0.53															
110	0.53	0.53	0.76	0.68															
115	0.63	0.66	0.89	0.80															
120	0.73	0.76	1.03	0.93															
125	0.82	0.88	1.15	1.05															
130	0.93	0.99	1.27	1.15															
135	1.03	1.11	1.38	1.27															
140	1.16	1.20	1.50	1.38															
145	1.25	1.32	1.60	1.48															
150	1.36	1.43	1.69	1.58															
155	1.47	1.51	1.76	1.62															
160	1.60	1.59	1.82	1.66															
165	1.71	1.67	1.87	1.70															
170	1.80	1.74	1.88	1.73															
175	1.85	1.80	1.89	1.76															
180	1.89	1.80	1.90	1.77															

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2023-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 9.100m [K=1.0000]
 Remarks: