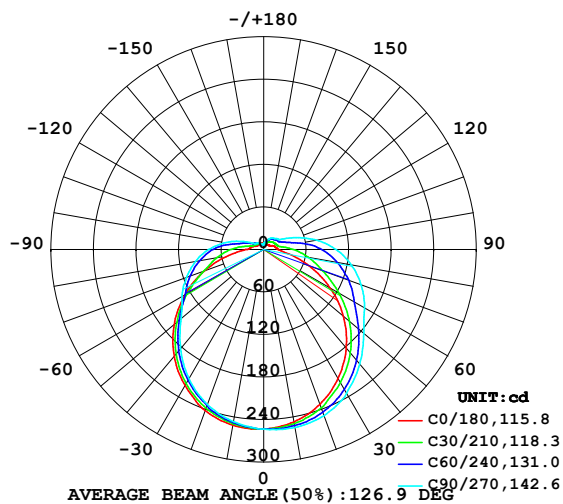


LUMINAIRE PHOTOMETRIC TEST REPORT

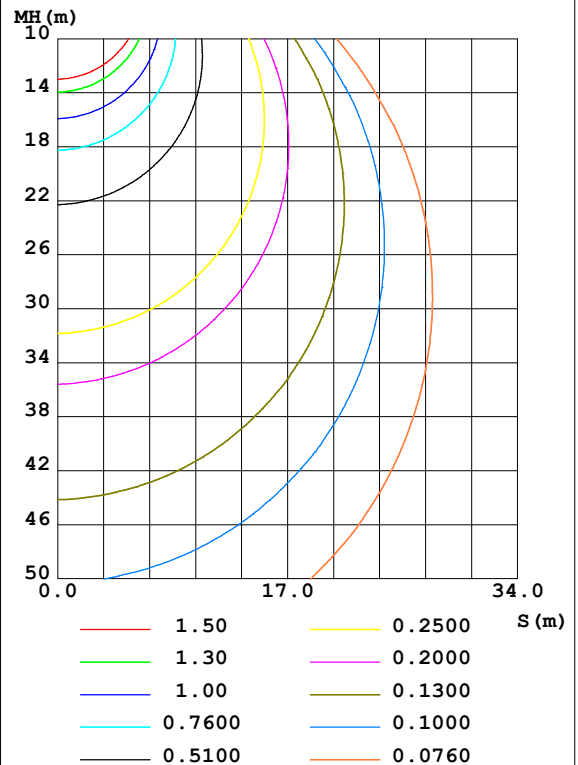
Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.65 lm/W			
MODEL		I _{max} (cd)	256.2	S/MH (C0/180)	1.30
NOMINAL POWER(W)		LOR(%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1053.9	η UP,DN(C0-180)	8.5,44.9
NOMINAL FLUX(lm)	1053.93	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.2,40.4
LAMPS INSIDE	1	η up (%)	14.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down (%)	85.3	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.750m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	247.0	250.9	254.9	255.6	251.8	248.8	246.6	246.2	0- 10	24.05	24.05	2.28,2.28
20	232.4	240.9	249.3	249.4	241.7	236.4	232.7	230.1	10- 20	69.41	93.46	8.87,8.87
30	210.2	222.3	234.2	234.1	221.9	216.1	210.8	207.6	20- 30	106.2	199.7	18.9,18.9
40	181.3	196.9	210.8	211.6	196.4	189.5	182.6	178.6	30- 40	129.8	329.5	31.3,31.3
50	146.9	166.4	184.4	183.3	164.9	157.9	152.4	145.9	40- 50	137.9	467.5	44.4,44.4
60	107.8	135.0	164.3	154.6	128.6	126.4	133.1	116.2	50- 60	132.2	599.7	56.9,56.9
70	68.53	108.3	146.4	130.3	88.98	100.5	115.8	94.72	60- 70	119.0	718.7	68.2,68.2
80	34.83	84.55	125.6	107.8	50.84	79.32	97.57	75.31	70- 80	100.7	819.4	77.8,77.8
90	20.42	61.89	102.1	83.86	24.14	59.00	77.66	55.45	80- 90	79.11	898.5	85.3,85.3
100	17.49	38.34	76.08	57.02	18.49	35.85	55.47	32.07	90-100	56.64	955.2	90.6,90.6
110	15.12	25.16	49.78	32.31	13.82	21.73	33.40	20.14	100-110	34.46	989.6	93.9,93.9
120	10.46	20.75	29.17	23.67	11.38	15.49	17.82	14.46	110-120	21.51	1011	95.9,95.9
130	9.525	18.94	24.31	20.75	10.95	13.17	13.69	12.40	120-130	15.05	1026	97.4,97.4
140	8.793	16.87	20.63	17.85	10.59	11.03	11.81	10.56	130-140	11.44	1038	98.5,98.5
150	7.962	14.24	18.13	14.58	10.21	9.169	9.757	8.968	140-150	8.005	1046	99.2,99.2
160	7.355	11.48	13.78	10.51	9.767	7.886	7.943	8.192	150-160	4.927	1051	99.7,99.7
170	7.724	9.723	10.43	8.358	9.340	7.695	7.562	7.799	160-170	2.548	1053	99.9,99.9
180	9.395	9.043	8.345	8.484	9.387	9.041	8.298	8.496	170-180	0.8137	1054	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 398.47 lm

%lum = 37.8%

%lamp = 37.8%

Conical surface Flux(120deg): 599.7 lm

%lum = 56.9%

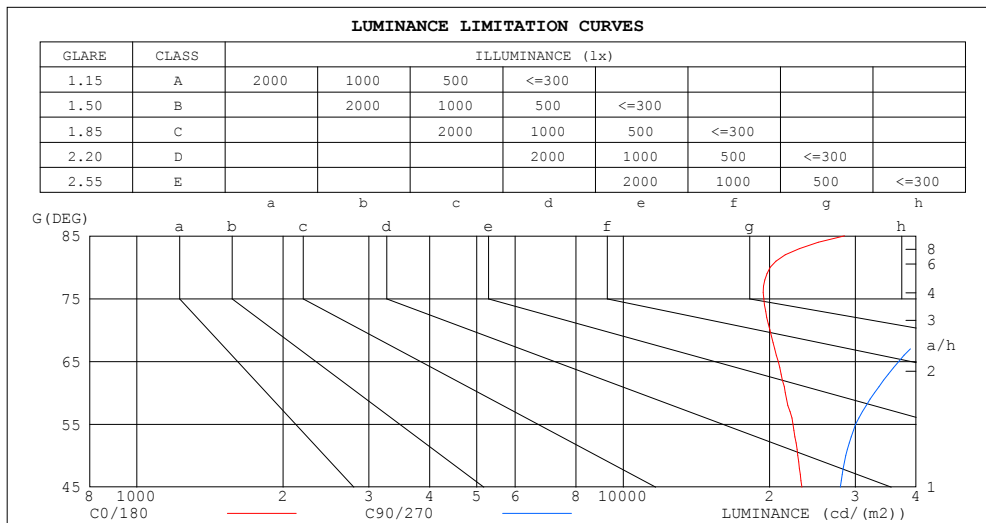
%lamp = 56.9%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28513	130999
80	20056	72322
75	19451	52635
70	20037	42803
65	20835	36879
60	21552	32853
55	22324	30084
50	22849	28691
45	23292	27949

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm					
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: 革星			SUR.:4寸		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	.384	.218	.069	.372	.212	.067	.350	.201	.064	.330	.190	.061	.311	.180	.058	
2.0	.332	.182	.056	.322	.177	.055	.302	.168	.052	.284	.159	.050	.267	.151	.048	
3.0	.295	.157	.047	.286	.153	.046	.268	.145	.044	.251	.138	.042	.236	.131	.040	
4.0	.266	.138	.041	.257	.135	.040	.241	.128	.038	.226	.121	.037	.212	.115	.035	
5.0	.242	.123	.036	.234	.120	.035	.219	.114	.034	.206	.109	.032	.193	.103	.031	
6.0	.222	.111	.032	.215	.108	.031	.201	.103	.030	.189	.098	.029	.177	.093	.028	
7.0	.204	.101	.029	.198	.099	.028	.186	.094	.027	.175	.089	.026	.164	.085	.025	
8.0	.190	.093	.026	.184	.091	.026	.173	.086	.025	.162	.082	.024	.152	.078	.023	
9.0	.177	.086	.024	.171	.084	.023	.161	.080	.023	.152	.076	.022	.143	.072	.021	
10.0	.166	.079	.022	.161	.078	.022	.151	.074	.021	.142	.071	.020	.134	.067	.019	

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	.303	.303	.303	.259	.259	.259	.177	.177	.177	.101	.101	.101	.032	.032	.032	
1.0	.299	.269	.242	.256	.231	.208	.175	.159	.144	.101	.092	.084	.032	.030	.027	
2.0	.292	.246	.207	.250	.212	.179	.171	.146	.125	.099	.085	.073	.032	.028	.024	
3.0	.284	.229	.185	.243	.198	.161	.167	.137	.113	.097	.080	.066	.031	.026	.022	
4.0	.276	.216	.171	.237	.187	.149	.163	.130	.105	.094	.076	.062	.030	.025	.020	
5.0	.268	.207	.161	.230	.179	.140	.159	.125	.099	.092	.073	.059	.030	.024	.019	
6.0	.261	.199	.154	.224	.172	.134	.155	.120	.095	.090	.071	.056	.029	.023	.019	
7.0	.254	.192	.149	.218	.166	.130	.151	.117	.092	.088	.069	.055	.028	.022	.018	
8.0	.247	.186	.145	.213	.162	.126	.147	.113	.089	.086	.067	.053	.028	.022	.018	
9.0	.241	.181	.141	.207	.158	.123	.144	.111	.088	.084	.065	.052	.027	.021	.017	
10.0	.235	.177	.139	.202	.154	.121	.140	.108	.086	.082	.064	.051	.027	.021	.017	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm										
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 革星					SUR.:4寸			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	22.3	23.7	22.7	24.1	24.6	23.9	25.3	24.3	25.7	26.2
3H	23.8	25.1	24.3	25.6	26.1	26.6	27.9	27.1	28.3	28.9
4H	24.5	25.8	25.0	26.3	26.8	28.1	29.3	28.6	29.8	30.4
6H	25.1	26.3	25.7	26.8	27.4	29.7	30.9	30.3	31.4	32.0
8H	25.4	26.5	25.9	27.1	27.7	30.6	31.8	31.2	32.3	32.9
12H	25.7	26.8	26.2	27.3	27.9	31.7	32.8	32.2	33.3	33.9
4H 2H	23.2	24.5	23.7	25.0	25.5	24.4	25.7	24.9	26.2	26.7
3H	25.0	26.1	25.6	26.7	27.3	27.4	28.4	27.9	29.0	29.6
4H	25.9	26.9	26.5	27.5	28.1	29.0	30.0	29.6	30.6	31.3
6H	26.7	27.6	27.3	28.2	28.9	30.9	31.8	31.5	32.4	33.1
8H	27.1	27.9	27.7	28.5	29.2	32.0	32.8	32.6	33.4	34.1
12H	27.5	28.3	28.1	28.9	29.6	33.1	33.9	33.8	34.5	35.3
8H 4H	26.8	27.7	27.5	28.3	29.0	29.4	30.2	30.0	30.8	31.5
6H	28.0	28.7	28.6	29.3	30.1	31.5	32.3	32.2	32.9	33.6
8H	28.5	29.2	29.2	29.8	30.6	32.8	33.4	33.5	34.1	34.9
12H	29.1	29.7	29.8	30.4	31.1	34.2	34.8	34.9	35.5	36.3
12H 4H	27.2	27.9	27.8	28.6	29.3	29.4	30.2	30.0	30.8	31.5
6H	28.5	29.1	29.2	29.8	30.5	31.7	32.3	32.3	33.0	33.7
8H	29.2	29.8	29.9	30.4	31.2	33.0	33.6	33.7	34.3	35.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 1054 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.2$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

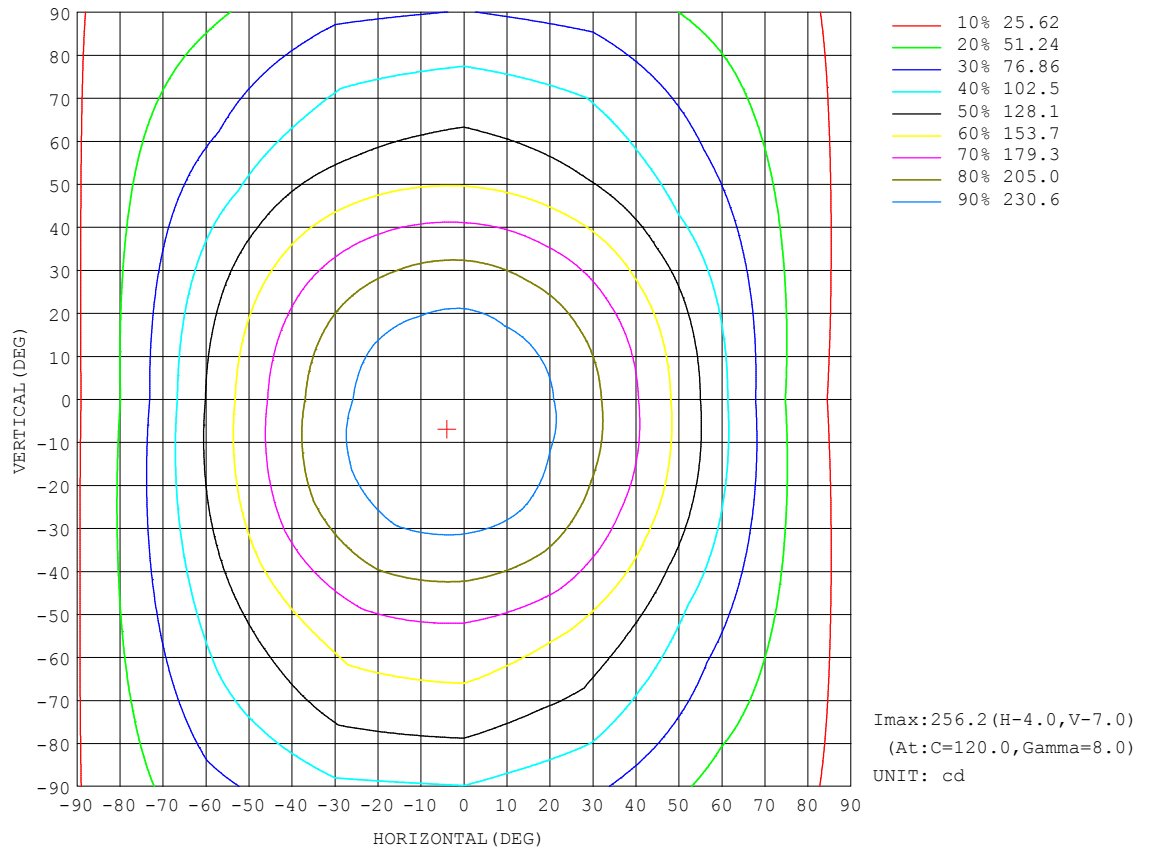
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	37	30	48	37	30	47	36	29	23
0.80	59	46	38	57	45	38	55	44	37	29
1.00	66	54	45	65	53	45	61	53	44	35
1.25	73	61	52	71	60	52	67	57	50	41
1.50	78	66	58	76	65	57	71	62	55	45
2.00	85	74	66	82	73	65	77	69	63	52
2.50	90	80	72	87	77	70	81	73	67	55
3.00	93	84	77	90	82	75	84	77	72	59
4.00	98	90	84	94	87	82	88	82	77	64
5.00	101	94	88	97	91	86	90	85	81	67
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:2025-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

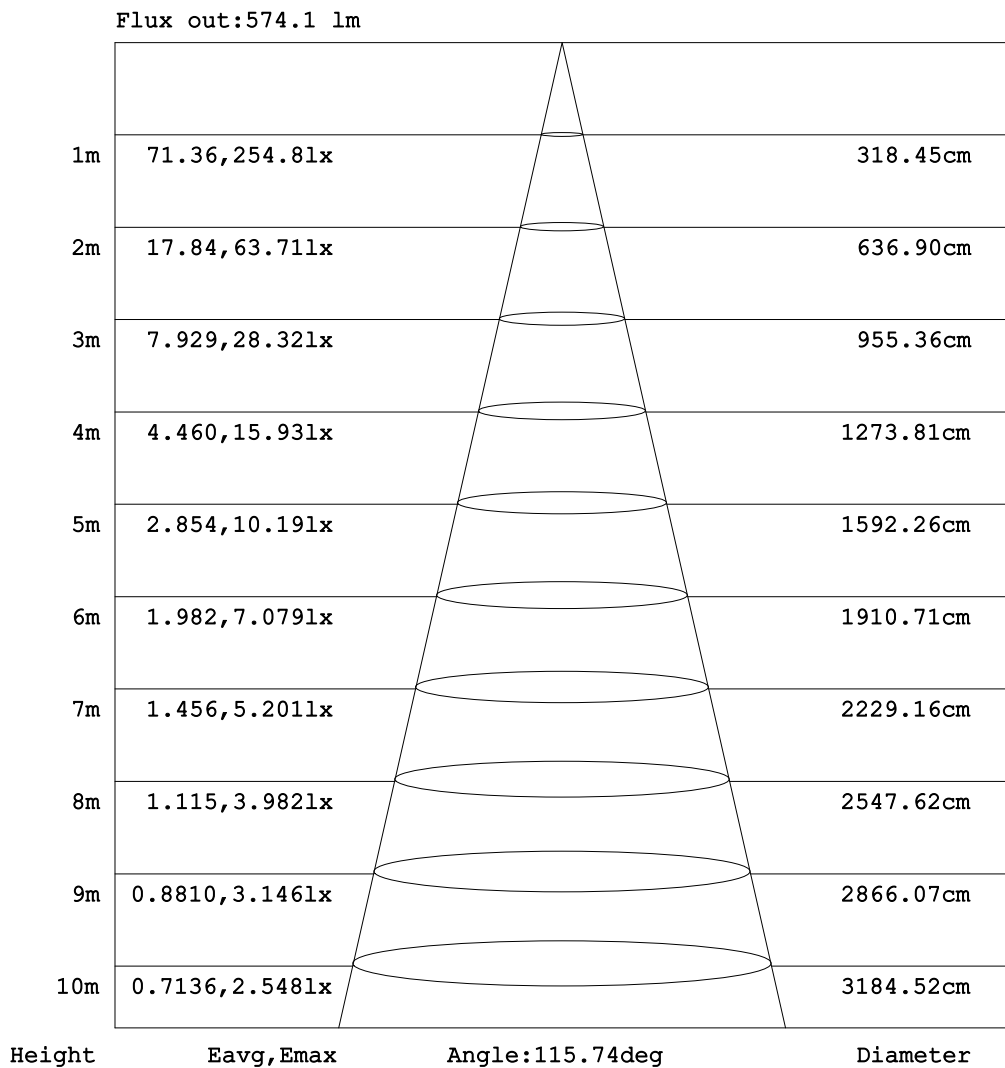


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

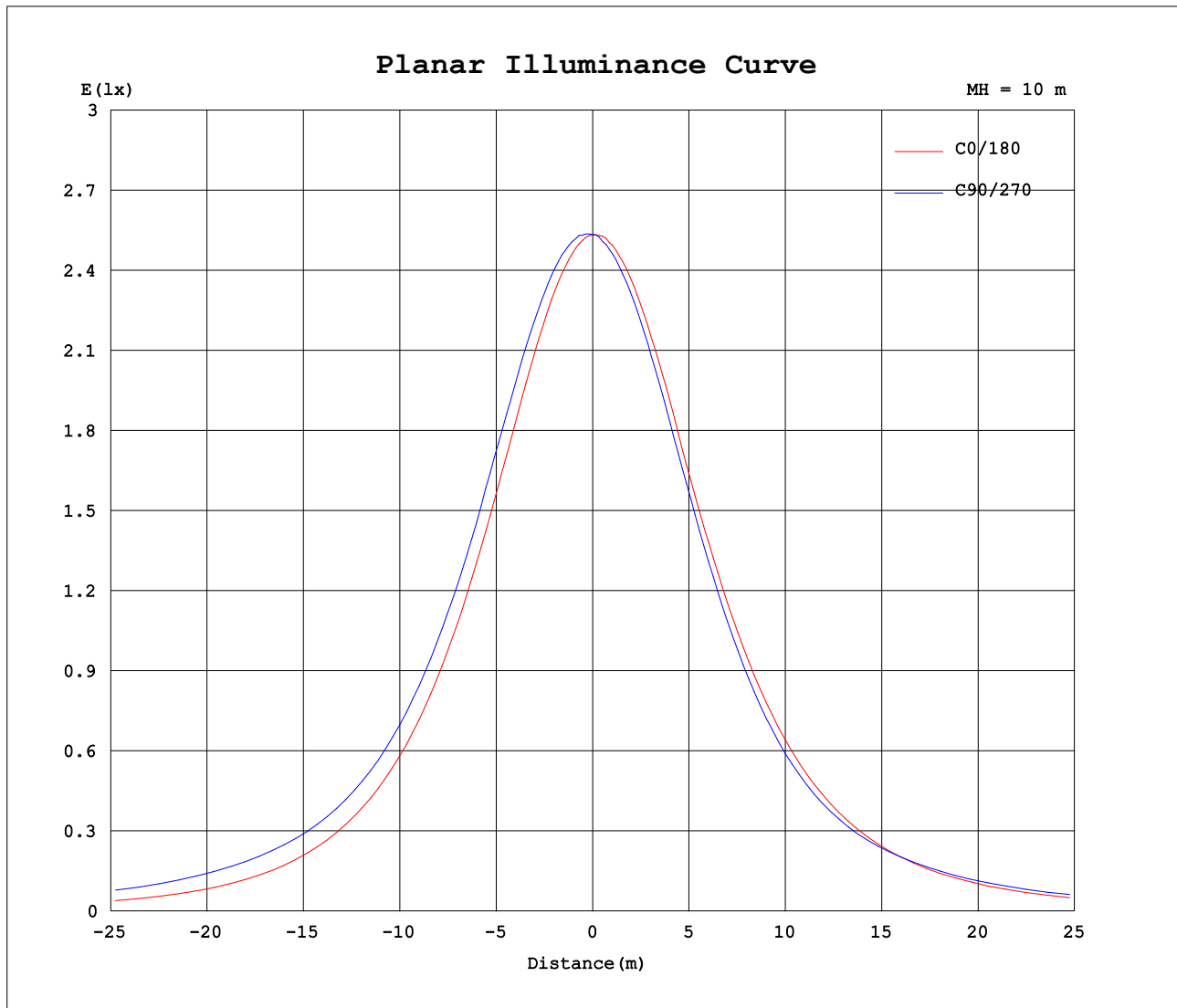


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.1140A P:13.40W PF:0.9720 Freq:60.00Hz Lamp Flux:1053.93x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	253	253	253	253	254	254	253	253	253	253	254	254							
5	251	252	254	255	256	256	253	252	252	251	251	251							
10	247	250	252	255	256	255	252	250	248	247	246	246							
15	241	245	249	253	254	253	248	245	243	241	240	240							
20	232	238	244	249	250	248	242	238	234	233	230	231							
25	222	227	237	243	245	242	232	229	225	223	219	220							
30	210	217	228	234	237	232	222	219	213	211	207	208							
35	196	204	217	223	226	221	210	206	201	197	194	194							
40	181	190	204	211	214	209	196	192	187	183	179	179							
45	165	175	190	198	201	195	181	177	171	167	163	162							
50	147	158	175	184	187	179	165	160	156	152	147	144							
55	128	140	160	173	174	163	147	143	141	141	134	127							
60	108	122	148	164	163	147	129	125	128	133	124	108							
65	88.1	105	138	156	154	131	109	107	119	125	116	93.5							
70	68.5	88.7	128	146	144	116	89.0	90.5	111	116	107	82.5							
75	50.3	75.8	116	136	134	105	69.5	77.5	101	107	98.0	72.1							
80	34.8	63.8	105	126	122	93.3	50.8	66.9	91.7	97.6	88.7	61.9							
85	24.9	52.3	93.8	114	110	81.4	34.8	56.5	81.8	87.8	78.9	51.9							
90	20.4	41.9	81.9	102	98.3	69.4	24.1	46.4	71.6	77.7	68.6	42.3							
95	18.8	32.5	69.1	89.5	85.7	57.5	20.2	36.5	60.1	66.8	55.3	32.8							
100	17.5	24.4	52.3	76.1	69.3	44.8	18.5	26.8	44.9	55.5	40.2	24.0							
105	16.4	20.4	38.6	62.2	50.1	32.0	16.4	19.4	33.8	44.5	31.2	18.1							
110	15.1	19.5	30.8	49.8	40.8	23.8	13.8	16.3	27.2	33.4	24.4	15.9							
115	12.8	18.6	25.8	38.3	33.3	21.4	11.7	14.8	21.3	25.2	19.1	14.6							
120	10.5	17.8	23.7	29.2	27.1	20.2	11.4	13.9	17.1	17.8	15.6	13.4							
125	9.78	17.1	23.0	24.9	25.0	19.0	11.2	12.9	15.5	14.7	14.4	12.3							
130	9.53	16.3	21.5	24.3	23.4	18.1	11.0	12.0	14.3	13.7	13.4	11.4							
135	9.21	15.3	20.3	22.1	22.1	17.2	10.8	11.0	13.3	12.8	12.4	10.6							
140	8.79	14.3	19.5	20.6	20.4	15.3	10.6	10.1	12.0	11.8	11.3	9.83							
145	8.37	13.2	18.2	19.6	19.1	13.4	10.4	9.40	10.8	10.7	10.3	9.04							
150	7.96	12.1	16.4	18.1	17.5	11.7	10.2	8.80	9.53	9.76	9.46	8.48							
155	7.65	10.9	14.5	16.0	14.5	10.3	10.0	8.39	8.46	8.75	8.80	8.32							
160	7.35	10.2	12.7	13.8	11.7	9.35	9.77	8.08	7.69	7.94	8.08	8.30							
165	7.14	9.78	11.1	11.8	9.76	8.76	9.51	7.84	7.26	7.58	7.56	8.22							
170	7.72	9.53	9.91	10.4	8.25	8.46	9.34	8.27	7.12	7.56	7.35	8.25							
175	8.62	9.40	9.32	9.49	7.85	8.56	9.33	8.57	7.86	7.03	7.62	8.66							
180	9.40	9.31	8.78	8.35	7.97	9.00	9.39	9.31	8.77	8.30	7.97	9.02							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks: