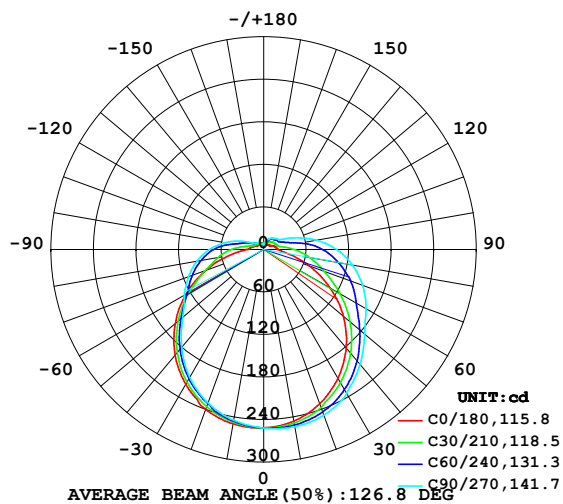


LUMINAIRE PHOTOMETRIC TEST REPORT

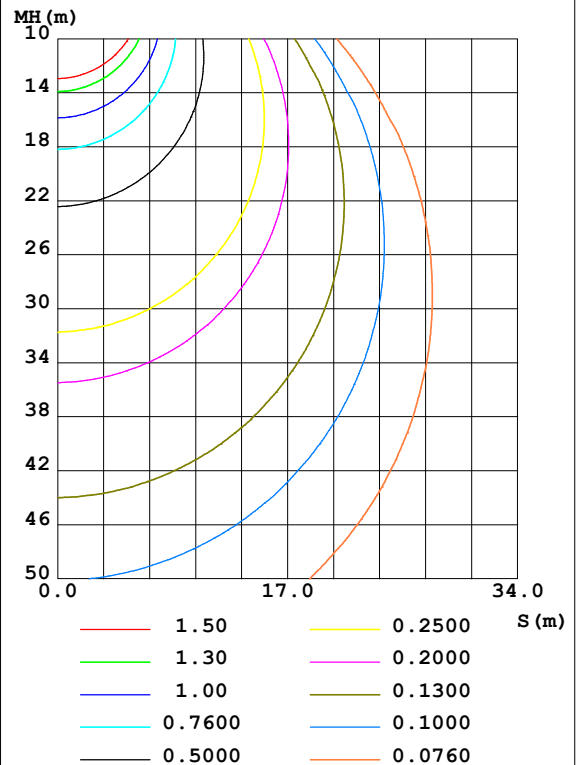
Test:U:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.25 lm/W			
MODEL		I _{max} (cd)	255.0	S/MH (C0/180)	1.30
NOMINAL POWER(W)		LOR(%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1050.6	η UP,DN(C0-180)	8.5,45.3
NOMINAL FLUX(lm)	1050.56	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.3,39.9
LAMPS INSIDE	1	η up (%)	14.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down (%)	85.2	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: 2025-08-11

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	245.8	250.0	253.9	254.3	249.5	246.7	244.6	244.3	0- 10	23.90	23.90	2.28,2.28
20	231.8	240.7	248.7	248.5	239.8	233.5	230.3	228.1	10- 20	68.97	92.88	8.84,8.84
30	209.5	222.4	234.2	233.5	219.9	213.5	208.6	205.5	20- 30	105.6	198.5	18.9,18.9
40	181.1	198.0	211.5	211.6	194.6	186.7	180.3	176.6	30- 40	129.2	327.6	31.2,31.2
50	147.0	168.0	186.0	184.1	163.0	155.0	149.5	143.6	40- 50	137.3	464.9	44.3,44.3
60	107.8	137.6	166.8	156.3	126.8	123.1	129.3	113.7	50- 60	131.7	596.6	56.8,56.8
70	68.82	110.9	148.5	132.2	87.40	97.73	112.8	92.75	60- 70	118.6	715.2	68.1,68.1
80	35.03	86.36	127.1	109.4	49.69	77.37	95.67	74.15	70- 80	100.5	815.8	77.7,77.7
90	20.56	62.94	102.9	84.54	23.37	58.12	76.75	55.23	80- 90	79.08	894.8	85.2,85.2
100	17.69	38.60	75.96	56.68	18.14	35.46	55.73	32.55	90-100	56.68	951.5	90.6,90.6
110	15.25	25.08	48.85	32.08	13.58	22.02	34.83	20.50	100-110	34.46	986.0	93.9,93.9
120	10.60	20.75	28.46	23.53	11.31	15.64	18.62	14.56	110-120	21.52	1007	95.9,95.9
130	9.748	19.02	24.37	20.68	10.93	13.44	14.12	12.53	120-130	15.11	1023	97.3,97.3
140	8.962	16.93	20.51	17.75	10.61	11.22	12.17	10.65	130-140	11.50	1034	98.4,98.4
150	8.056	14.26	17.96	14.50	10.25	9.327	10.09	9.252	140-150	8.056	1042	99.2,99.2
160	7.421	11.57	13.62	10.59	9.787	8.016	8.280	8.639	150-160	4.973	1047	99.7,99.7
170	7.755	9.706	10.64	8.386	9.309	7.865	7.848	8.228	160-170	2.593	1050	99.9,99.9
180	9.540	9.148	8.408	8.780	9.548	9.150	8.400	8.798	170-180	0.8270	1051	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 396.24 lm

%lum = 37.7%

%lamp = 37.7%

Conical surface Flux(120deg): 596.63 lm

%lum = 56.8%

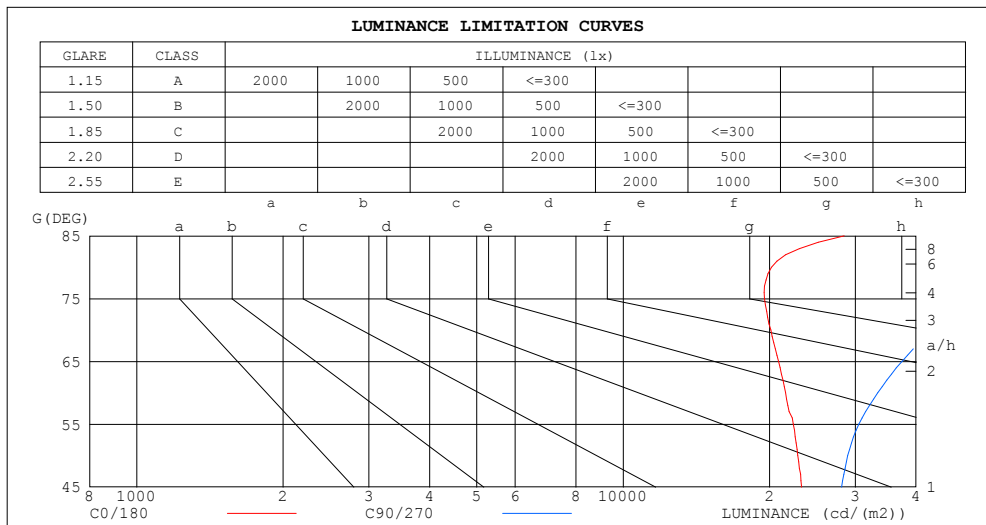
%lamp = 56.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28445	132250
80	20171	73180
75	19530	53372
70	20123	43413
65	20881	37437
60	21564	33362
55	22369	30516
50	22869	28941
45	23268	28126

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm					
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K			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	.174	.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	.102	.102	.102	.033	.033	.033	
1.0	.299	.269	.242	.256	.231	.209	.175	.159	.144	.101	.092	.084	.032	.030	.027	
2.0	.292	.246	.208	.250	.212	.180	.172	.147	.125	.099	.085	.073	.032	.028	.024	
3.0	.285	.230	.186	.244	.198	.161	.168	.138	.113	.097	.080	.067	.031	.026	.022	
4.0	.277	.217	.172	.237	.188	.149	.163	.131	.105	.094	.077	.062	.030	.025	.020	
5.0	.269	.207	.162	.231	.179	.141	.159	.125	.099	.092	.074	.059	.030	.024	.019	
6.0	.261	.199	.155	.225	.173	.135	.155	.121	.095	.090	.071	.057	.029	.023	.019	
7.0	.254	.193	.149	.219	.167	.130	.151	.117	.092	.088	.069	.055	.028	.023	.018	
8.0	.248	.187	.145	.213	.162	.127	.147	.114	.090	.086	.067	.054	.028	.022	.018	
9.0	.241	.182	.142	.208	.158	.124	.144	.111	.088	.084	.066	.052	.027	.022	.017	
10.0	.235	.178	.140	.203	.154	.122	.141	.109	.087	.082	.064	.052	.027	.021	.017	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm										
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K					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	22.8	24.2	24.7	24.0	25.4	24.5	25.9	26.4
3H	23.9	25.2	24.4	25.7	26.2	26.7	28.0	27.2	28.5	29.0
4H	24.6	25.8	25.1	26.4	26.9	28.2	29.4	28.7	29.9	30.5
6H	25.2	26.4	25.8	26.9	27.5	29.8	31.0	30.4	31.5	32.1
8H	25.5	26.6	26.0	27.2	27.8	30.7	31.9	31.3	32.4	33.0
12H	25.8	26.9	26.3	27.4	28.0	31.8	32.9	32.3	33.4	34.0
4H 2H	23.3	24.6	23.8	25.1	25.6	24.6	25.8	25.1	26.3	26.9
3H	25.1	26.2	25.7	26.8	27.4	27.5	28.6	28.1	29.1	29.8
4H	26.0	27.0	26.6	27.6	28.2	29.2	30.2	29.8	30.8	31.4
6H	26.8	27.7	27.5	28.3	29.0	31.0	31.9	31.7	32.5	33.2
8H	27.2	28.1	27.8	28.7	29.4	32.1	32.9	32.7	33.5	34.2
12H	27.6	28.4	28.2	29.0	29.7	33.3	34.0	33.9	34.7	35.4
8H 4H	27.0	27.8	27.6	28.4	29.1	29.5	30.4	30.1	31.0	31.7
6H	28.1	28.8	28.8	29.5	30.2	31.7	32.4	32.3	33.0	33.8
8H	28.7	29.3	29.4	30.0	30.8	32.9	33.6	33.6	34.2	35.0
12H	29.3	29.8	30.0	30.5	31.3	34.4	34.9	35.0	35.6	36.4
12H 4H	27.3	28.1	27.9	28.7	29.4	29.5	30.3	30.2	30.9	31.7
6H	28.6	29.3	29.3	29.9	30.7	31.8	32.4	32.5	33.1	33.9
8H	29.4	29.9	30.0	30.6	31.4	33.1	33.7	33.8	34.4	35.2
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, 1051 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:2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

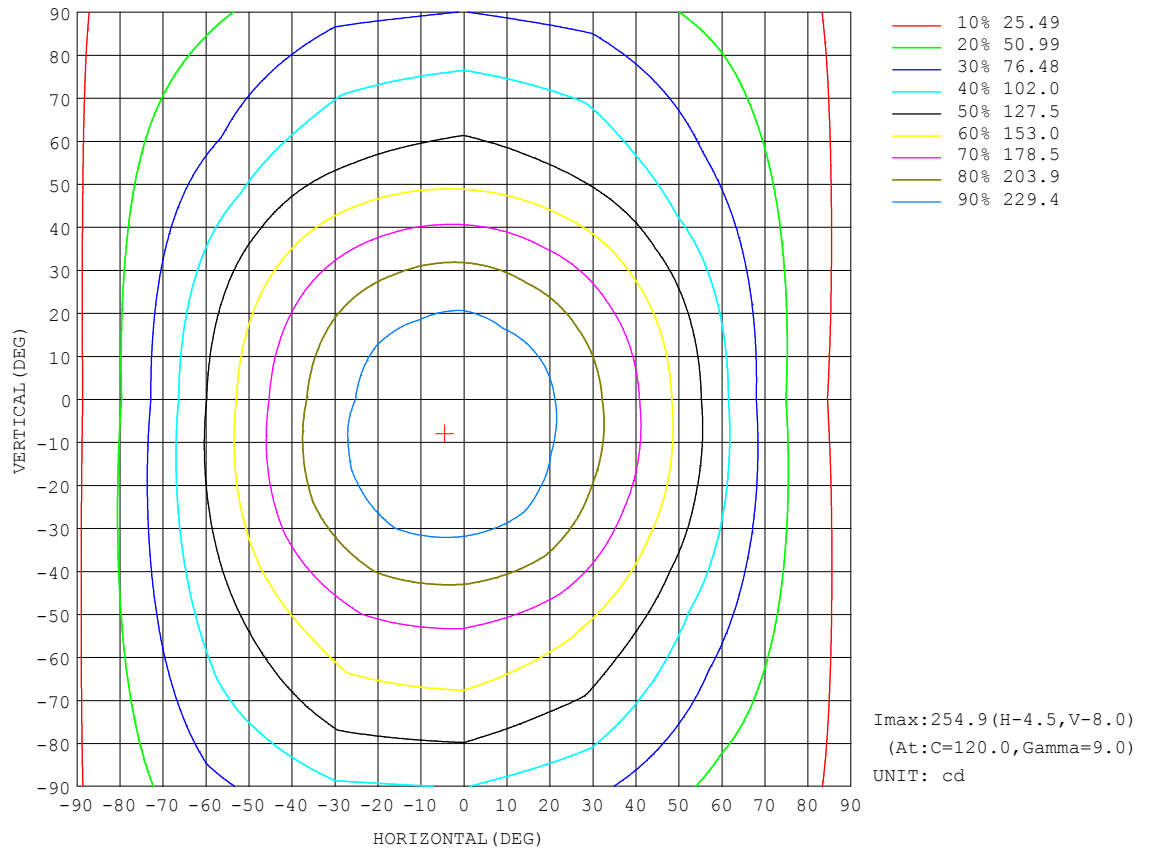
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	37	30	48	37	30	47	36	29	23
0.80	59	46	38	57	45	37	54	44	37	29
1.00	66	54	45	64	53	45	61	53	44	35
1.25	73	61	52	71	59	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	62	51
2.50	90	80	72	87	77	70	81	73	67	55
3.00	93	84	77	90	82	75	84	77	71	59
4.00	98	90	84	94	87	81	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:2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

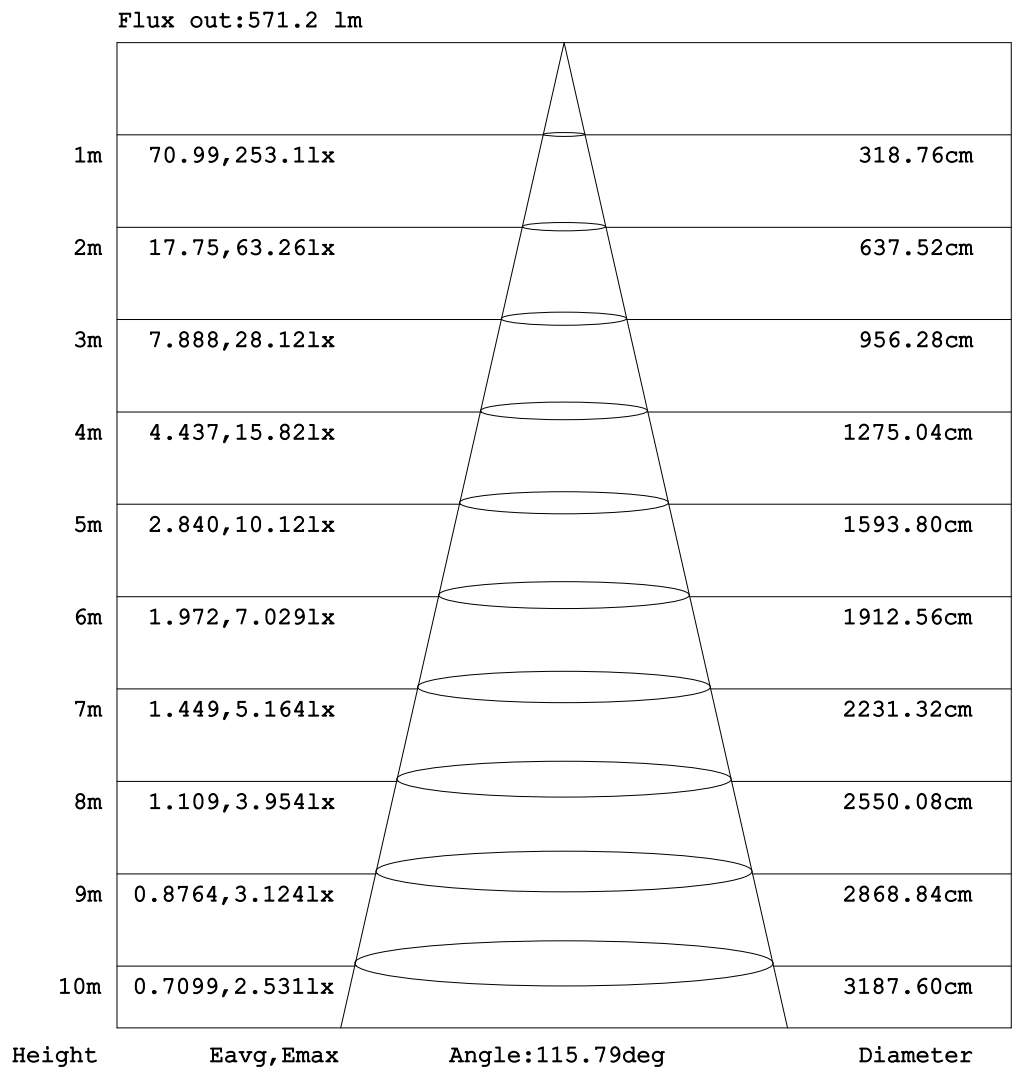


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

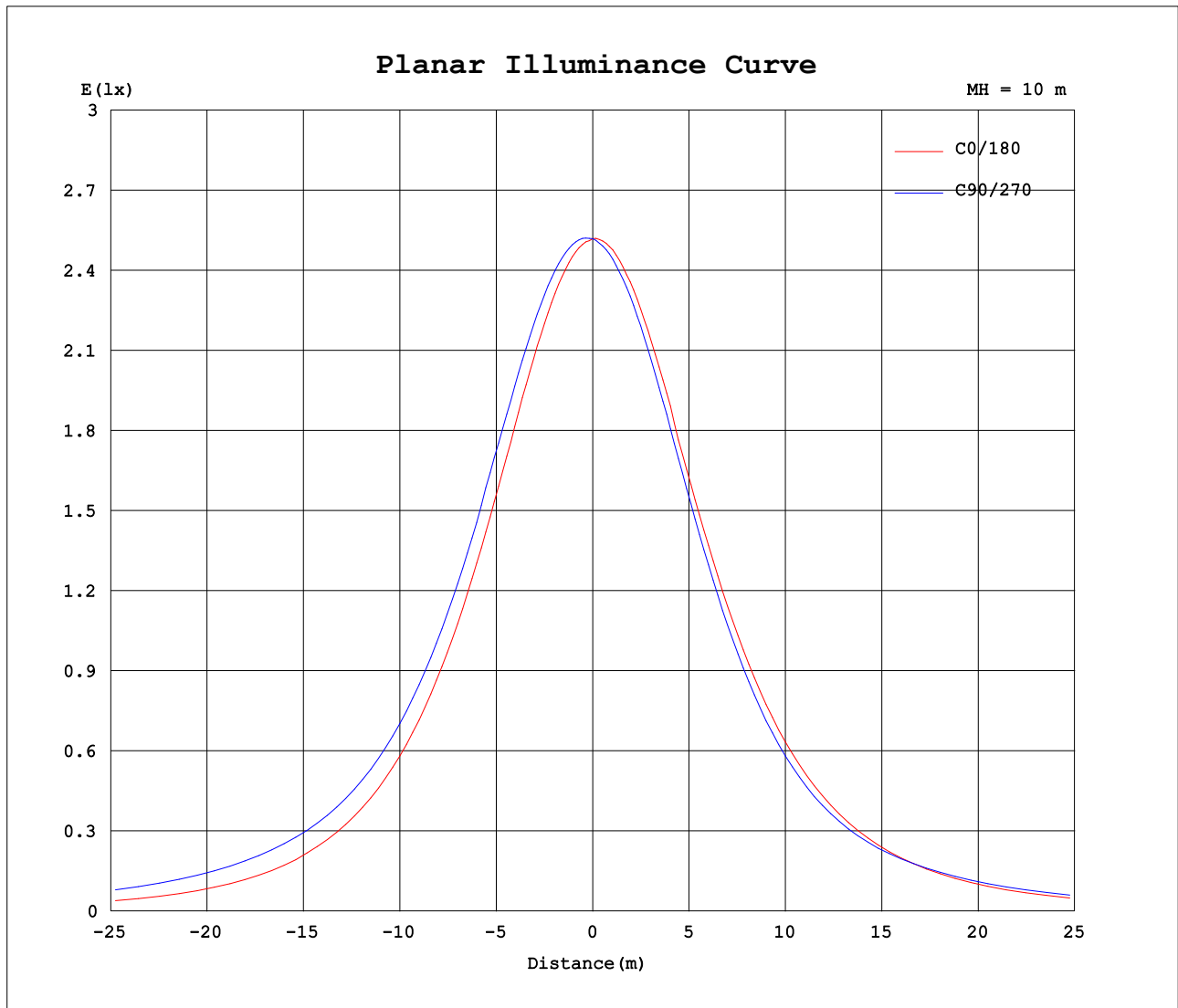


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-11

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: 2025-08-11

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:120.3V I:0.1160A P:13.60W PF:0.9730 Freq:60.00Hz Lamp Flux:1050.56x1 lm		
NAME: Naples-16-14W-95C-120D-NS 整灯 5000K	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	252	252	252	252	252	253	252	252	252	252	252	253							
5	250	251	252	254	254	254	252	251	250	249	249	250							
10	246	249	251	254	255	254	250	247	246	245	244	245							
15	240	244	249	252	253	251	246	243	241	238	238	238							
20	232	237	244	249	250	247	240	236	231	230	227	229							
25	221	227	237	243	244	241	230	227	222	221	217	218							
30	210	217	228	234	237	231	220	216	211	209	205	206							
35	196	205	218	223	227	220	208	204	198	195	191	192							
40	181	191	205	212	215	208	195	190	184	180	176	177							
45	165	176	191	199	202	195	179	174	168	165	160	160							
50	147	159	177	186	189	179	163	157	153	150	145	143							
55	128	142	163	175	176	164	145	140	137	137	130	125							
60	108	124	151	167	165	147	127	122	125	129	121	107							
65	88.2	107	141	158	156	132	107	104	116	121	113	91.8							
70	68.8	91.1	131	148	146	118	87.4	88.0	107	113	105	81.0							
75	50.5	78.1	119	138	136	106	67.9	75.0	98.7	104	95.9	71.0							
80	35.0	65.5	107	127	124	94.4	49.7	65.1	89.7	95.7	87.0	61.3							
85	24.8	53.8	95.3	115	111	82.3	33.8	55.3	80.4	86.4	77.7	51.8							
90	20.6	42.9	83.0	103	99.1	70.0	23.4	45.7	70.6	76.7	67.9	42.5							
95	18.9	33.2	69.8	89.9	86.3	57.7	19.8	36.2	59.1	66.5	55.1	33.2							
100	17.7	24.8	52.4	76.0	68.9	44.4	18.1	26.6	44.3	55.7	40.5	24.6							
105	16.6	20.6	38.3	61.5	49.3	31.5	16.1	19.4	34.0	45.0	31.8	18.5							
110	15.2	19.5	30.6	48.9	40.6	23.6	13.6	16.3	27.7	34.8	25.1	15.9							
115	12.9	18.4	25.6	37.4	33.0	21.4	11.6	14.9	21.9	25.3	19.3	14.6							
120	10.6	17.7	23.8	28.5	26.9	20.2	11.3	13.9	17.4	18.6	15.7	13.4							
125	10.0	17.1	23.0	24.9	24.8	19.0	11.1	13.0	15.8	15.1	14.6	12.4							
130	9.75	16.3	21.7	24.4	23.3	18.0	10.9	12.1	14.8	14.1	13.6	11.5							
135	9.43	15.3	20.3	22.0	21.9	17.0	10.8	11.1	13.7	13.2	12.4	10.7							
140	8.96	14.3	19.5	20.5	20.3	15.3	10.6	10.1	12.3	12.2	11.4	9.94							
145	8.49	13.2	18.2	19.6	19.0	13.3	10.4	9.42	11.1	11.1	10.4	9.34							
150	8.06	12.1	16.4	18.0	17.3	11.7	10.2	8.95	9.71	10.1	9.48	9.02							
155	7.70	11.1	14.5	15.9	14.5	10.3	10.1	8.55	8.51	9.10	8.86	8.95							
160	7.42	10.4	12.8	13.6	11.8	9.34	9.79	8.25	7.78	8.28	8.40	8.88							
165	7.19	9.79	11.0	11.9	9.78	8.75	9.49	7.99	7.48	7.89	8.03	8.80							
170	7.76	9.47	9.94	10.6	8.27	8.50	9.31	8.45	7.28	7.85	7.63	8.83							
175	8.66	9.45	9.15	9.44	7.93	8.71	9.43	8.78	8.04	7.29	8.03	9.03							
180	9.54	9.45	8.84	8.41	8.34	9.22	9.55	9.45	8.85	8.40	8.33	9.27							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-11

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: