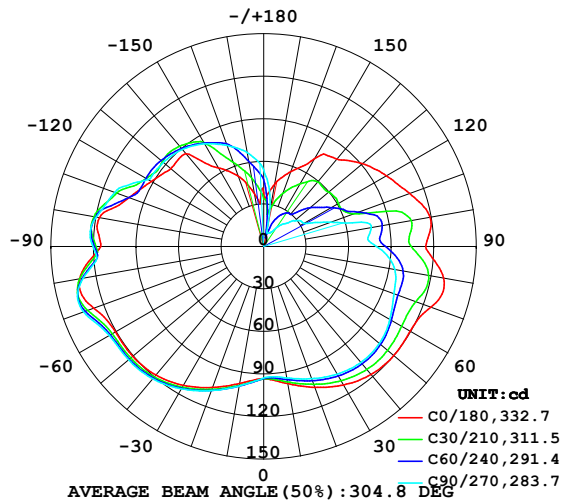


LUMINAIRE PHOTOMETRIC TEST REPORT

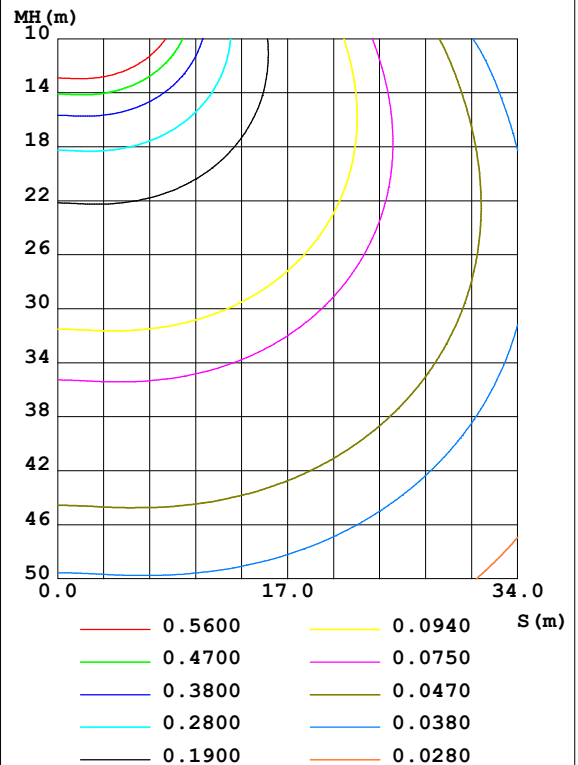
Test:U:120.5V I:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.47 lm/W			
MODEL		I _{max} (cd)	136.5	S/MH (C0/180)	1.87
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.92
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1226.2	η UP, DN (C0-180)	15.9, 27.4
NOMINAL FLUX (lm)	1226.24	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	25.3, 31.4
LAMPS INSIDE	1	η up (%)	41.2	CIBSE SHR NOM	2.00
TEST VOLTAGE (V)		η down (%)	58.8	CIBSE SHR MAX	2.00

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: 2025-09-25

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	98.26	96.20	94.16	94.49	98.17	99.73	99.91	99.05	0- 10	9.111	9.111	0.74,0.74
20	105.7	102.1	99.27	100.1	105.8	107.6	108.2	107.2	10- 20	28.71	37.82	3.08,3.08
30	112.8	107.4	104.0	105.5	113.1	115.1	116.0	114.8	20- 30	49.99	87.81	7.16,7.16
40	117.9	110.6	106.8	109.1	118.4	120.7	121.9	120.6	30- 40	71.35	159.2	13,13
50	119.8	110.9	106.5	109.8	120.5	123.1	124.4	123.0	40- 50	90.31	249.5	20.3,20.3
60	119.4	108.2	102.9	107.0	120.8	124.1	125.8	123.6	50- 60	104.7	354.1	28.9,28.9
70	125.4	107.5	97.79	104.9	127.5	133.0	135.1	132.6	60- 70	116.7	470.8	38.4,38.4
80	128.8	109.0	93.94	105.5	131.8	130.8	129.3	128.8	70- 80	128.4	599.2	48.9,48.9
90	114.3	95.04	79.60	89.67	114.9	118.8	120.4	118.9	80- 90	122.2	721.4	58.8,58.8
100	119.1	95.35	77.13	86.08	117.7	121.0	120.0	120.5	90-100	116.0	837.4	68.3,68.3
110	109.5	69.40	50.19	61.24	100.9	105.8	111.8	109.8	100-110	104.9	942.3	76.8,76.8
120	99.91	57.88	32.87	42.94	91.65	95.98	94.32	100.8	110-120	81.11	1023	83.5,83.5
130	90.98	51.33	28.38	35.18	85.51	93.87	92.36	93.42	120-130	65.61	1089	88.8,88.8
140	80.48	44.59	20.34	38.28	85.67	91.31	89.36	87.35	130-140	53.04	1142	93.1,93.1
150	71.18	38.62	12.30	39.75	64.03	84.45	83.69	82.33	140-150	40.06	1182	96.4,96.4
160	56.30	28.48	10.38	39.43	52.91	70.22	75.87	76.19	150-160	26.03	1208	98.5,98.5
170	44.58	17.74	23.47	45.94	37.83	55.04	67.24	68.33	160-170	13.68	1222	99.6,99.6
180	38.11	40.40	54.18	60.45	37.96	40.40	54.03	60.48	170-180	4.446	1226	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 202.2 lm

%lum = 16.5%

%lamp = 16.5%

Conical surface Flux(120deg): 354.13 lm

%lum = 28.9%

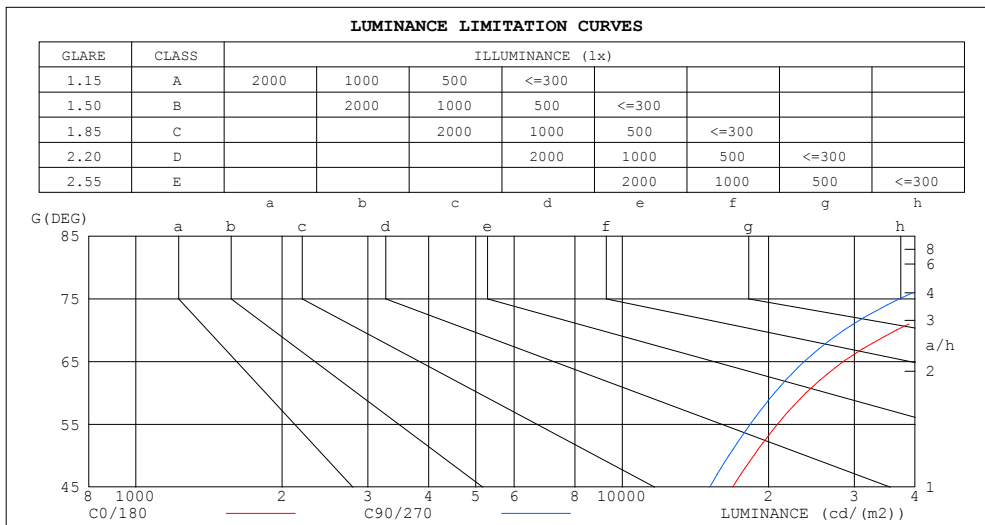
%lamp = 28.9%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 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	138992	101552
80	74174	54097
75	50328	37225
70	36665	28592
65	28529	23701
60	23889	20572
55	20858	18331
50	18639	16572
45	16872	15139

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 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	.421	.239	.076	.401	.229	.073	.364	.209	.067	.330	.190	.061	.298	.173	.056		
2.0	.351	.192	.059	.333	.184	.057	.299	.166	.052	.268	.150	.047	.239	.135	.043		
3.0	.306	.163	.049	.290	.155	.047	.259	.140	.043	.230	.126	.039	.203	.113	.035		
4.0	.272	.141	.042	.257	.134	.040	.229	.121	.036	.202	.109	.033	.178	.097	.029		
5.0	.245	.125	.036	.231	.119	.035	.205	.107	.031	.181	.096	.028	.159	.085	.025		
6.0	.223	.112	.032	.210	.106	.031	.187	.096	.028	.164	.085	.025	.143	.075	.022		
7.0	.205	.101	.029	.193	.096	.027	.171	.086	.025	.150	.077	.022	.131	.068	.020		
8.0	.189	.092	.026	.178	.088	.025	.158	.079	.023	.139	.070	.020	.121	.062	.018		
9.0	.176	.085	.024	.166	.081	.023	.147	.073	.021	.129	.065	.018	.112	.057	.016		
10.0	.164	.079	.022	.155	.075	.021	.137	.067	.019	.120	.060	.017	.104	.052	.015		

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	.504	.504	.504	.431	.431	.431	.294	.294	.294	.169	.169	.169	.054	.054	.054	
1.0	.504	.471	.442	.431	.405	.380	.295	.278	.263	.170	.161	.153	.054	.052	.049	
2.0	.499	.450	.409	.427	.387	.354	.293	.268	.247	.169	.156	.145	.054	.050	.047	
3.0	.492	.435	.389	.421	.375	.338	.289	.260	.237	.167	.152	.140	.054	.049	.046	
4.0	.484	.423	.376	.415	.366	.327	.286	.255	.230	.165	.149	.136	.053	.049	.045	
5.0	.476	.414	.368	.409	.358	.320	.282	.250	.226	.163	.147	.134	.053	.048	.044	
6.0	.469	.406	.361	.403	.352	.315	.278	.246	.223	.161	.145	.132	.052	.047	.044	
7.0	.462	.400	.357	.397	.347	.311	.275	.243	.220	.160	.143	.131	.052	.047	.043	
8.0	.455	.395	.353	.392	.343	.308	.271	.240	.219	.158	.142	.130	.051	.047	.043	
9.0	.449	.390	.351	.387	.339	.306	.268	.238	.217	.156	.141	.129	.051	.046	.043	
10.0	.443	.386	.348	.382	.336	.304	.265	.236	.216	.155	.140	.129	.050	.046	.043	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm											
NAME: RDFS-8-17W-95C-MVUD-BL 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	20.0	21.2	20.8	22.0	23.0	19.3	20.5	20.1	21.3	22.3	
	3H	23.4	24.4	24.2	25.3	26.3	22.3	23.4	23.1	24.2	25.2
	4H	25.4	26.4	26.2	27.2	28.3	24.0	25.0	24.8	25.8	26.9
	6H	27.6	28.5	28.4	29.4	30.5	25.9	26.8	26.7	27.7	28.8
	8H	28.7	29.6	29.5	30.5	31.6	26.9	27.8	27.8	28.7	29.8
	12H	29.9	30.8	30.8	31.7	32.8	28.1	29.0	28.9	29.8	30.9
4H	2H	20.9	21.9	21.7	22.7	23.8	20.4	21.4	21.2	22.2	23.3
	3H	24.4	25.3	25.2	26.1	27.2	23.5	24.3	24.3	25.2	26.3
	4H	26.5	27.3	27.4	28.2	29.4	25.3	26.1	26.2	27.0	28.1
	6H	28.9	29.6	29.7	30.5	31.7	27.3	28.1	28.2	29.0	30.1
	8H	30.1	30.8	31.0	31.7	32.9	28.4	29.1	29.4	30.1	31.2
	12H	31.5	32.1	32.4	33.0	34.2	29.7	30.3	30.6	31.3	32.4
8H	4H	27.1	27.8	28.0	28.7	29.9	26.1	26.8	27.0	27.8	28.9
	6H	29.7	30.3	30.6	31.2	32.4	28.4	29.0	29.4	30.0	31.2
	8H	31.1	31.7	32.1	32.6	33.8	29.7	30.2	30.6	31.2	32.4
	12H	32.7	33.2	33.7	34.2	35.4	31.1	31.6	32.1	32.6	33.8
12H	4H	27.2	27.9	28.1	28.8	30.0	26.4	27.1	27.3	28.0	29.2
	6H	29.9	30.5	30.9	31.4	32.6	28.8	29.4	29.8	30.3	31.5
	8H	31.5	31.9	32.4	32.9	34.1	30.2	30.7	31.2	31.6	32.9
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 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 1226 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.7$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

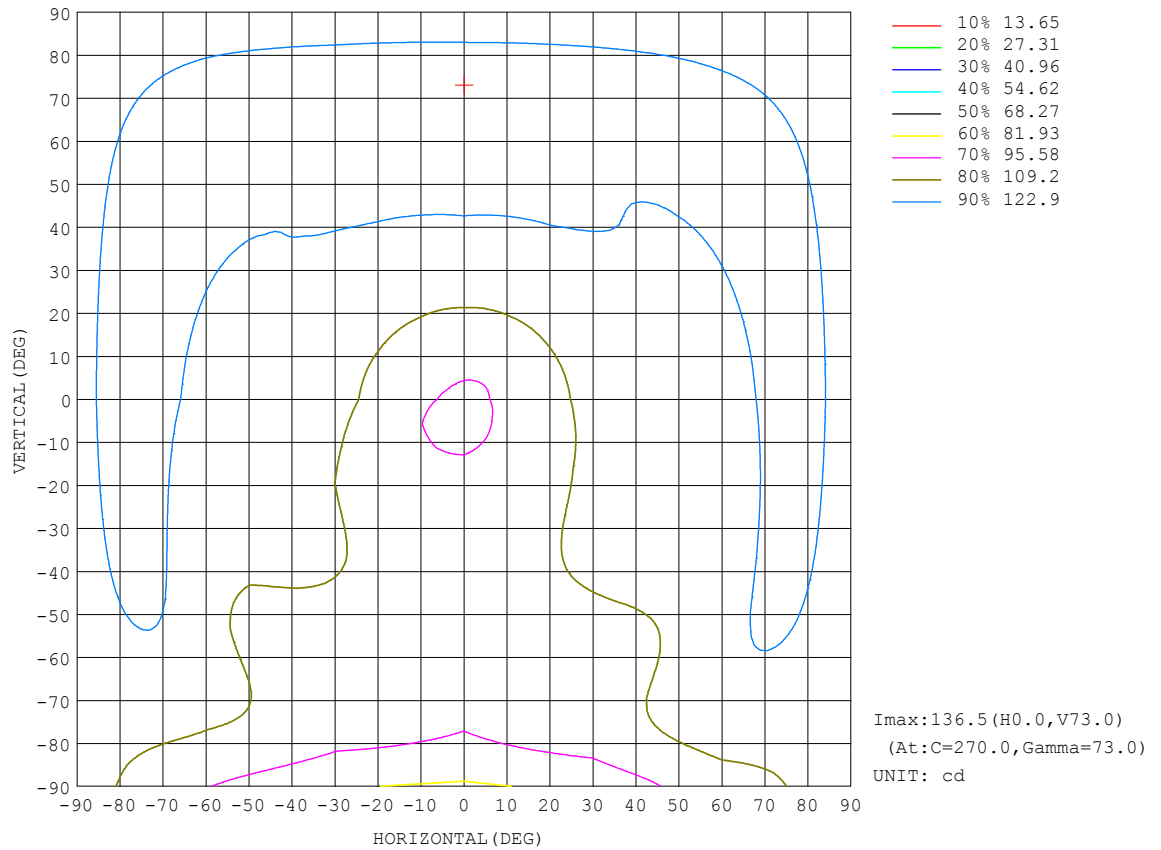
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	38	25	18	36	24	17	33	23	16	9
0.80	47	33	24	44	31	23	40	29	22	13
1.00	54	40	31	51	38	29	45	37	27	16
1.25	61	47	37	57	44	35	50	40	32	20
1.50	66	52	42	62	49	40	54	44	37	23
2.00	74	61	51	69	57	49	60	51	44	27
2.50	79	67	57	73	63	54	64	55	49	30
3.00	83	72	63	77	67	59	67	59	53	33
4.00	88	78	71	82	74	67	71	64	59	37
5.00	91	83	76	85	78	71	74	68	63	40
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:2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

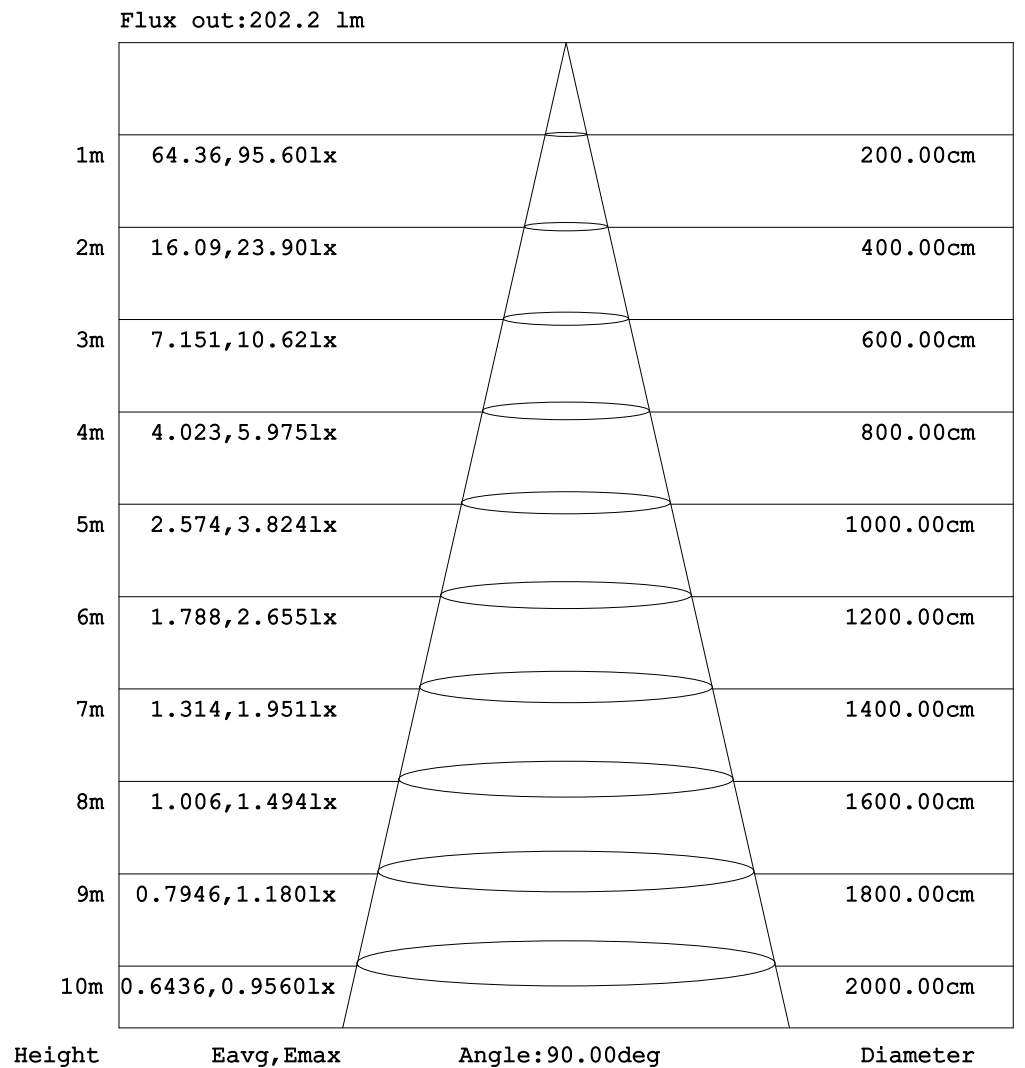


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

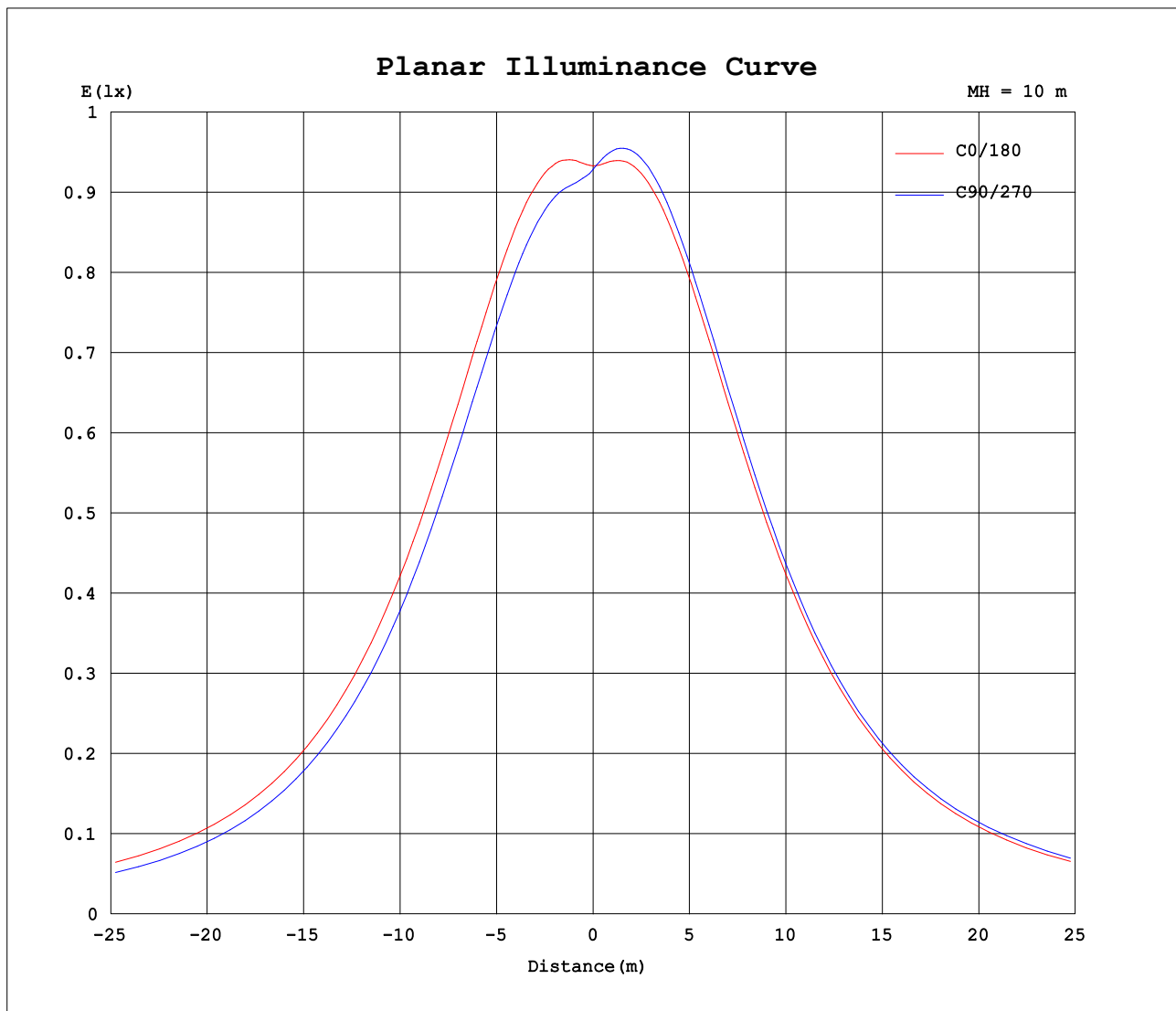


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-09-25

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: 2025-09-25

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:0.1460A P:17.40W PF:0.9830 Freq:60.00Hz Lamp Flux:1226.24x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 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	93.3	93.5	93.3	92.9	92.5	92.3	93.3	93.5	93.3	92.9	92.5	92.3						
5	95.0	94.2	93.2	92.3	92.1	92.4	94.9	95.9	96.3	96.1	95.6	95.0						
10	98.3	97.0	95.4	94.2	94.1	94.9	98.2	99.5	100.0	99.9	99.4	98.7						
15	102	100	98.0	96.6	96.7	97.8	102	103	104	104	104	103						
20	106	103	101	99.3	99.3	101	106	107	108	108	108	107						
25	109	107	103	102	102	104	110	111	112	112	112	111						
30	113	109	105	104	104	107	113	115	116	116	115	114						
35	116	112	107	106	106	109	116	118	119	119	119	117						
40	118	113	108	107	107	111	118	120	121	122	121	120						
45	119	114	108	107	108	112	120	122	123	124	123	121						
50	120	114	108	107	108	112	121	122	124	124	124	122						
55	120	113	106	105	106	111	121	123	124	125	124	122						
60	119	112	104	103	104	110	121	123	125	126	125	122						
65	121	112	102	100	102	109	122	126	128	130	128	125						
70	125	114	101	97.8	100	109	127	132	134	135	134	132						
75	130	118	101	96.3	100	112	133	135	136	136	135	134						
80	129	118	99.9	93.9	98.4	113	132	132	130	129	129	129						
85	121	113	94.6	88.5	92.7	107	124	122	119	119	119	120						
90	114	104	86.0	79.6	83.2	96.1	115	118	119	120	120	118						
95	118	104	82.5	73.9	77.4	91.9	117	122	122	123	122	122						
100	119	106	84.9	77.1	79.3	92.9	118	122	120	120	120	121						
105	115	96.8	83.0	64.8	73.7	82.1	108	116	112	115	116	116						
110	109	67.6	71.2	50.2	56.4	66.1	101	110	101	112	108	111						
115	104	61.3	62.0	40.1	43.5	54.6	96.0	101	96.2	104	101	110						
120	99.9	60.8	55.0	32.9	37.1	48.8	91.6	95.9	96.0	94.3	96.2	105						
125	95.5	61.0	48.1	31.7	32.3	45.4	88.3	92.3	95.6	93.1	93.0	99.4						
130	91.0	59.9	42.8	28.4	26.9	43.5	85.5	93.3	94.5	92.4	92.1	94.8						
135	85.6	59.0	35.3	23.4	27.6	45.5	86.0	94.0	92.6	91.1	91.2	89.9						
140	80.5	59.5	29.7	20.3	27.9	48.6	85.7	92.3	90.3	89.4	89.9	84.8						
145	78.5	56.2	29.1	16.7	28.7	49.8	71.8	89.4	87.5	86.8	87.2	82.9						
150	71.2	50.8	26.4	12.3	29.2	50.3	64.0	84.7	84.2	83.7	83.8	80.9						
155	61.9	45.7	22.6	10.9	29.7	49.8	58.6	72.3	80.9	79.8	80.2	79.0						
160	56.3	39.9	17.1	10.4	30.1	48.8	52.9	63.3	77.1	75.9	76.3	76.1						
165	50.7	33.9	9.50	10.2	30.2	47.1	45.7	56.0	69.9	71.8	72.3	72.5						
170	44.6	27.1	8.35	23.5	43.0	48.9	37.8	49.0	61.1	67.2	68.2	68.5						
175	37.6	26.0	30.3	42.7	53.1	57.2	30.5	41.5	54.0	61.4	63.9	64.4						
180	38.1	33.7	47.1	54.2	59.4	61.5	38.0	33.6	47.2	54.0	59.5	61.5						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-09-25

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: