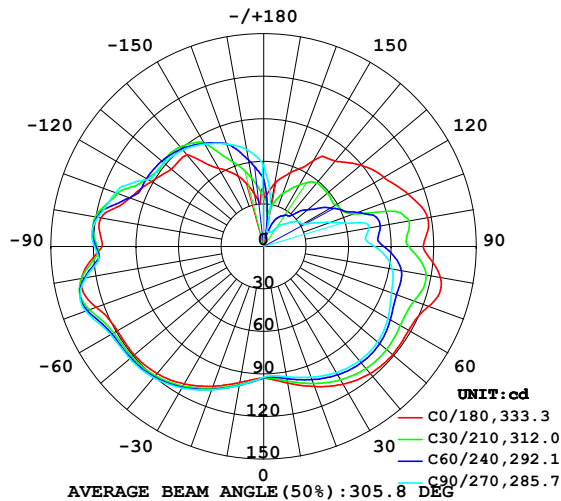


LUMINAIRE PHOTOMETRIC TEST REPORT

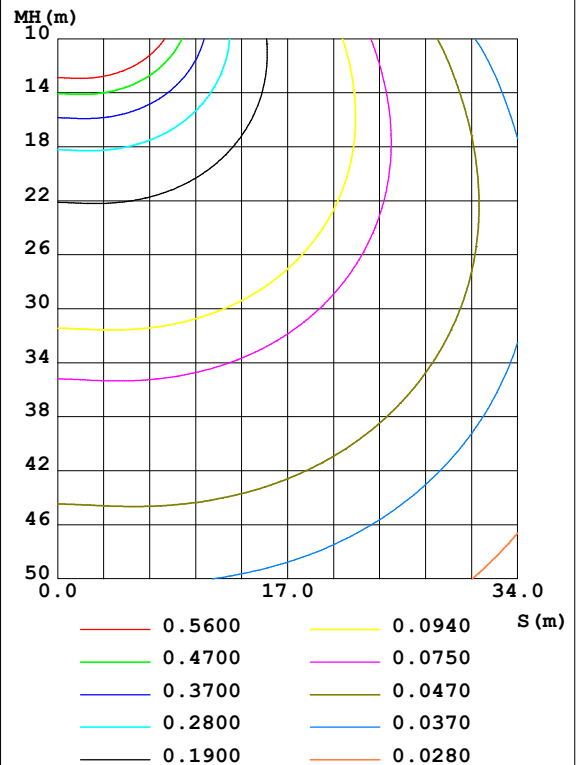
Test:U:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.93 lm/W			
MODEL		I _{max} (cd)	134.9	S/MH (C0/180)	1.86
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.91
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1213.1	η UP, DN (C0-180)	15.9, 27.3
NOMINAL FLUX (lm)	1213.09	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	25.3, 31.4
LAMPS INSIDE	1	η up (%)	41.3	CIBSE SHR NOM	2.00
TEST VOLTAGE (V)		η down (%)	58.7	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	97.82	95.61	93.33	93.60	97.48	99.13	99.42	98.30	0- 10	9.052	9.052	0.75,0.75
20	105.1	101.4	98.15	99.03	104.9	106.9	107.6	106.3	10- 20	28.49	37.54	3.09,3.09
30	112.1	106.6	102.7	104.2	112.0	114.2	115.2	113.8	20- 30	49.56	87.10	7.18,7.18
40	117.0	109.8	105.2	107.5	117.0	119.6	120.9	119.4	30- 40	70.65	157.8	13,13
50	118.7	109.9	104.9	107.9	119.1	121.8	123.2	121.6	40- 50	89.32	247.1	20.4,20.4
60	118.2	107.3	101.2	104.9	119.2	122.9	124.6	122.2	50- 60	103.4	350.5	28.9,28.9
70	123.8	106.3	95.98	102.5	125.7	131.6	133.7	130.8	60- 70	115.1	465.6	38.4,38.4
80	126.6	107.4	92.07	102.9	130.4	129.4	127.4	126.8	70- 80	126.4	592.1	48.8,48.8
90	112.4	93.47	78.25	87.56	113.9	117.9	119.4	117.3	80- 90	120.4	712.4	58.7,58.7
100	117.4	93.75	75.35	84.13	116.5	120.0	118.7	119.1	90-100	114.4	826.8	68.2,68.2
110	108.3	68.88	50.08	61.57	100.3	105.2	111.1	107.9	100-110	103.7	930.5	76.7,76.7
120	97.86	56.67	32.01	45.05	91.54	95.57	94.43	98.09	110-120	80.66	1011	83.4,83.4
130	89.29	49.66	27.29	36.55	84.99	93.06	91.71	92.10	120-130	64.96	1076	88.7,88.7
140	78.64	43.30	20.25	39.66	84.52	90.83	88.80	86.99	130-140	52.59	1129	93,93
150	69.64	37.42	12.59	41.57	63.78	84.15	83.38	82.61	140-150	39.88	1169	96.3,96.3
160	55.51	28.51	11.12	41.40	52.78	70.26	76.96	76.67	150-160	26.12	1195	98.5,98.5
170	45.30	17.61	25.22	47.20	37.70	55.35	69.44	69.12	160-170	13.86	1209	99.6,99.6
180	37.99	40.33	56.92	61.57	37.90	40.44	56.79	61.57	170-180	4.510	1213	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 200.33 lm

%lum = 16.5%

%lamp = 16.5%

Conical surface Flux(120deg): 350.48 lm

%lum = 28.9%

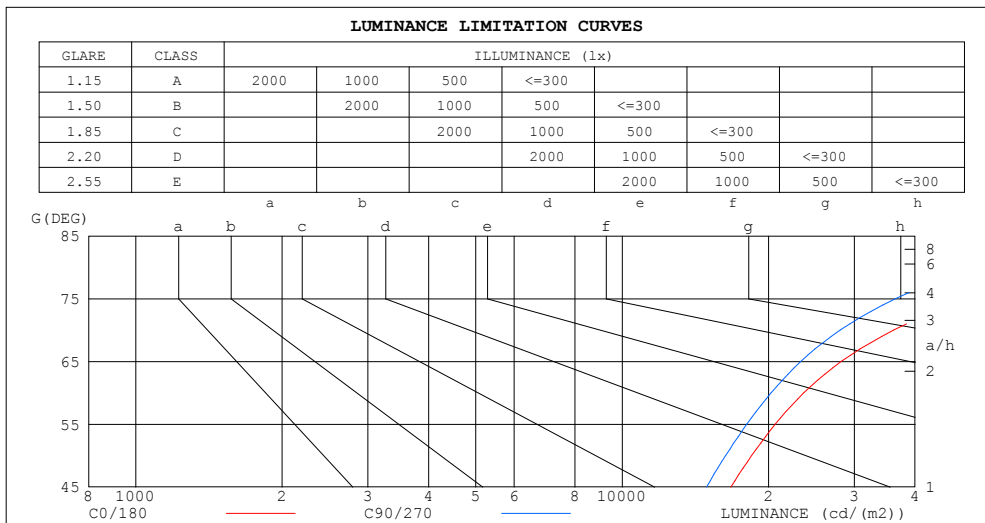
%lamp = 28.9%

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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 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	136443	99669
80	72910	53023
75	49570	36475
70	36191	28064
65	28209	23297
60	23639	20248
55	20650	18042
50	18466	16319
45	16725	14915

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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm					
NAME: RDFS-8-17W-95C-MVUD-BL 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	.420	.239	.076	.400	.228	.072	.363	.208	.066	.329	.190	.061	.297	.172	.056		
2.0	.351	.192	.059	.333	.183	.056	.299	.166	.052	.267	.150	.047	.239	.135	.043		
3.0	.306	.163	.049	.289	.155	.047	.258	.140	.043	.229	.126	.039	.203	.112	.035		
4.0	.272	.141	.042	.257	.134	.040	.228	.121	.036	.202	.108	.033	.177	.096	.029		
5.0	.245	.125	.036	.231	.119	.035	.205	.107	.031	.181	.095	.028	.158	.085	.025		
6.0	.223	.112	.032	.210	.106	.031	.186	.095	.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	.022	.138	.070	.020	.120	.062	.018		
9.0	.176	.085	.024	.166	.081	.023	.147	.072	.021	.129	.064	.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	.505	.505	.505	.432	.432	.432	.295	.295	.295	.169	.169	.169	.054	.054	.054	
1.0	.505	.472	.443	.432	.405	.381	.296	.279	.264	.170	.161	.153	.054	.052	.050	
2.0	.499	.451	.410	.428	.388	.354	.293	.268	.247	.169	.156	.145	.054	.051	.047	
3.0	.492	.435	.390	.422	.376	.338	.290	.261	.237	.167	.152	.140	.054	.049	.046	
4.0	.485	.424	.377	.416	.366	.328	.286	.255	.231	.165	.149	.137	.053	.049	.045	
5.0	.477	.415	.368	.410	.359	.321	.282	.251	.226	.164	.147	.134	.053	.048	.044	
6.0	.470	.407	.362	.404	.353	.315	.279	.247	.223	.162	.145	.133	.052	.047	.044	
7.0	.463	.401	.358	.398	.348	.312	.275	.244	.221	.160	.144	.131	.052	.047	.043	
8.0	.456	.396	.354	.393	.343	.309	.272	.241	.219	.158	.142	.131	.051	.047	.043	
9.0	.450	.391	.351	.388	.339	.307	.269	.239	.218	.156	.141	.130	.051	.046	.043	
10.0	.444	.387	.349	.383	.336	.305	.266	.237	.217	.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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm											
NAME: RDFS-8-17W-95C-MVUD-BL 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	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	23.3	23.1	24.2	25.2
	4H	25.4	26.4	26.2	27.2	28.3	23.9	25.0	24.8	25.8	26.9
	6H	27.5	28.5	28.4	29.3	30.4	25.8	26.8	26.7	27.6	28.7
	8H	28.7	29.6	29.5	30.5	31.5	26.9	27.8	27.7	28.7	29.7
	12H	29.9	30.8	30.8	31.7	32.8	28.0	28.9	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	25.2	25.2	26.1	27.2	23.4	24.3	24.3	25.2	26.3
	4H	26.5	27.3	27.4	28.2	29.3	25.3	26.1	26.1	27.0	28.1
	6H	28.8	29.6	29.7	30.5	31.6	27.3	28.0	28.2	28.9	30.1
	8H	30.1	30.7	31.0	31.7	32.8	28.4	29.1	29.3	30.0	31.2
	12H	31.4	32.0	32.3	33.0	34.2	29.6	30.3	30.6	31.2	32.4
8H	4H	27.1	27.8	28.0	28.7	29.9	26.1	26.8	27.0	27.7	28.9
	6H	29.7	30.3	30.6	31.2	32.4	28.4	29.0	29.3	29.9	31.1
	8H	31.1	31.6	32.0	32.6	33.8	29.7	30.2	30.6	31.1	32.4
	12H	32.7	33.1	33.6	34.1	35.3	31.1	31.6	32.1	32.5	33.8
12H	4H	27.2	27.8	28.1	28.8	30.0	26.4	27.0	27.3	28.0	29.2
	6H	29.9	30.4	30.8	31.4	32.6	28.8	29.3	29.7	30.3	31.5
	8H	31.4	31.9	32.4	32.9	34.1	30.2	30.6	31.1	31.6	32.8
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, 1213 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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

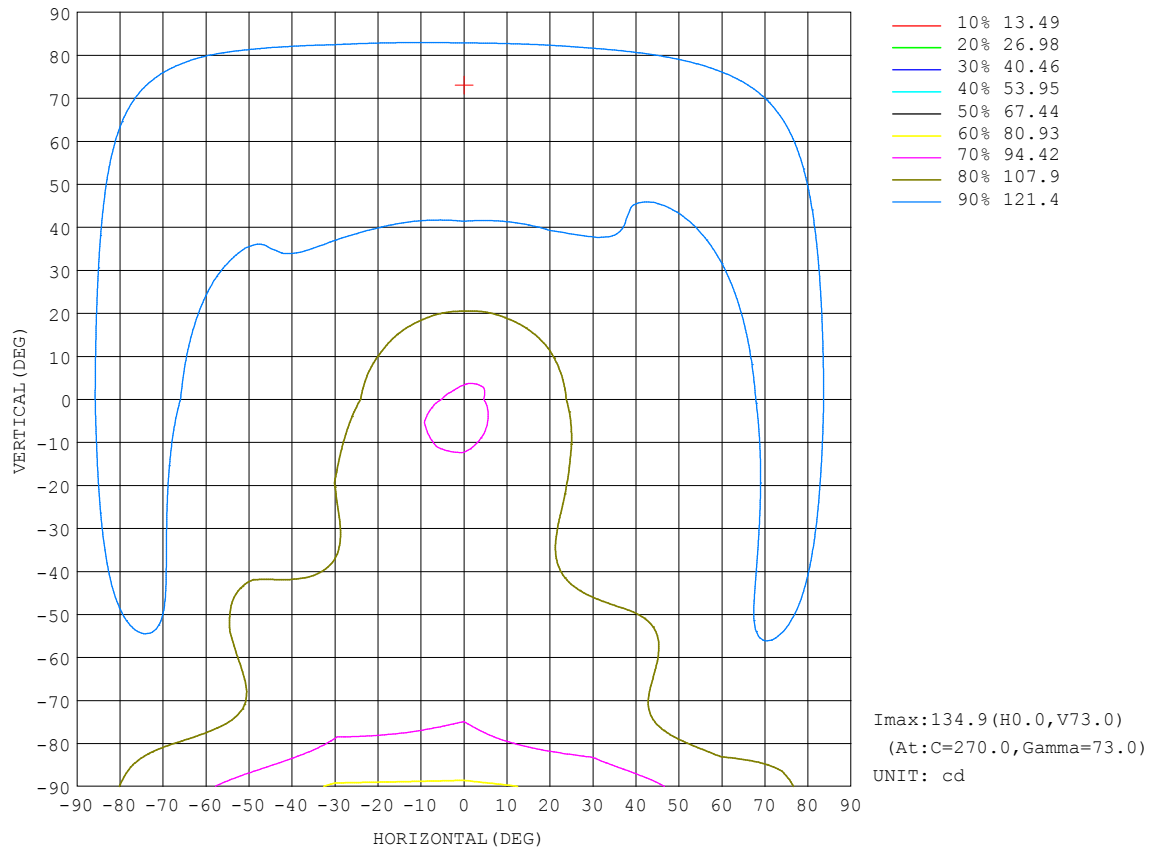
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	38	25	18	36	24	17	33	23	16	9
0.80	47	33	24	44	31	23	40	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	41	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	60	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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

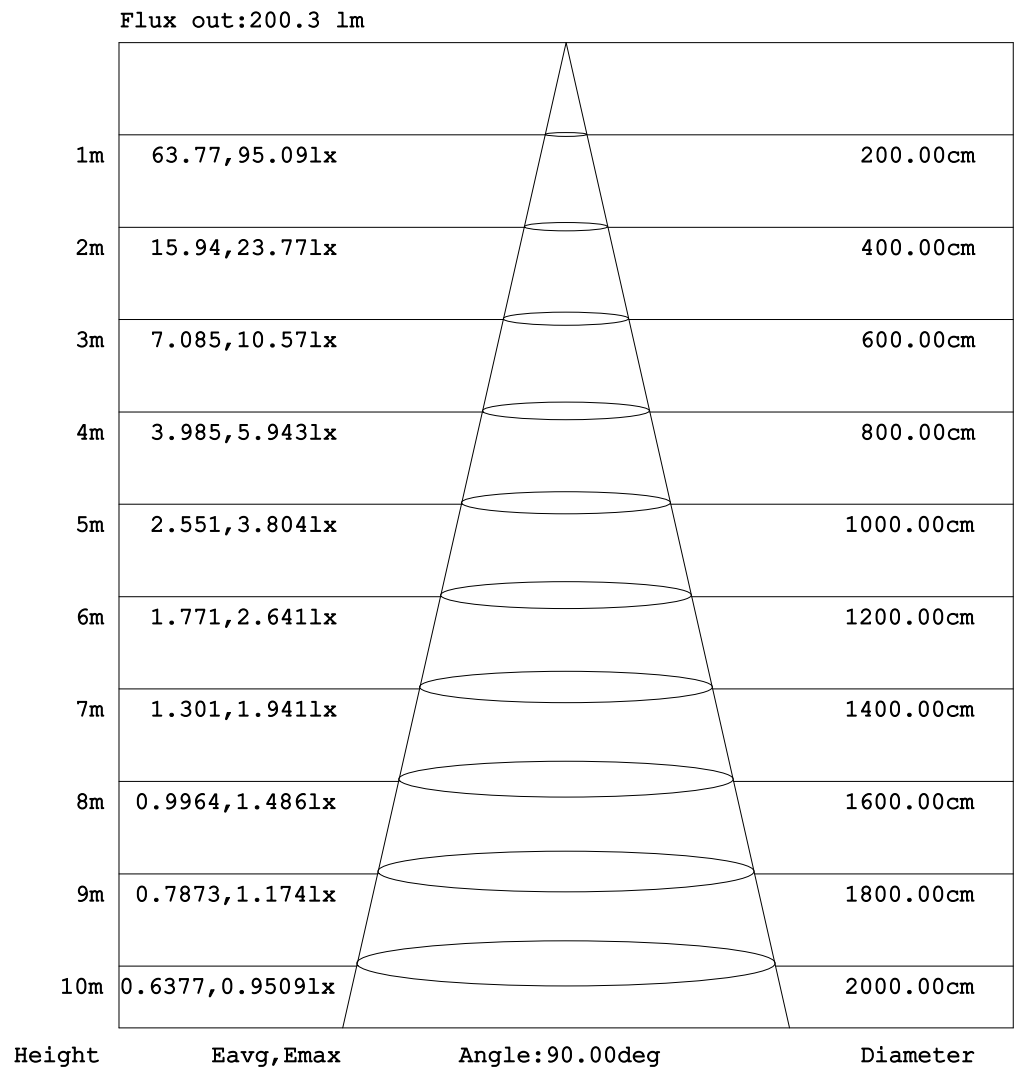


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-09-25

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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

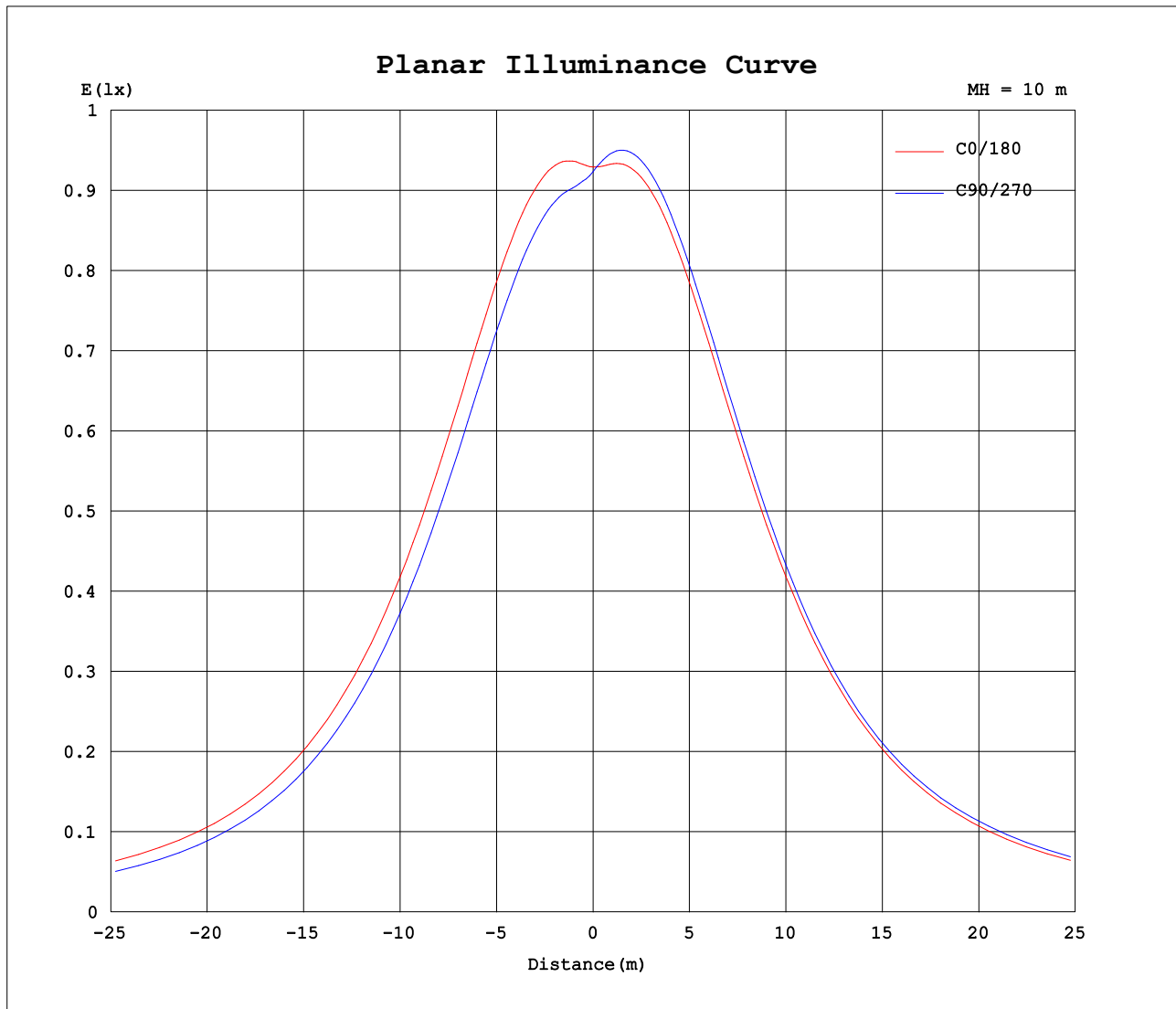


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:120.6V I:0.1480A P:17.60W PF:0.9840 Freq:60.00Hz Lamp Flux:1213.09x1 lm		
NAME: RDFS-8-17W-95C-MVUD-BL 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	92.9	93.0	92.8	92.4	91.8	91.4	92.9	93.0	92.8	92.4	91.8	91.4						
5	94.7	93.7	92.6	91.6	91.3	91.6	94.4	95.4	95.8	95.6	95.0	94.2						
10	97.8	96.4	94.8	93.3	93.2	94.0	97.5	98.8	99.4	99.4	98.8	97.8						
15	101	99.6	97.3	95.7	95.6	96.9	101	103	103	103	103	102						
20	105	103	99.9	98.1	98.1	99.9	105	106	107	108	107	106						
25	109	106	102	101	101	103	109	110	111	112	111	110						
30	112	109	105	103	103	106	112	114	115	115	115	113						
35	115	111	106	104	105	108	115	117	118	118	118	116						
40	117	112	107	105	106	109	117	119	120	121	120	119						
45	118	113	107	105	106	110	118	121	122	123	122	120						
50	119	113	107	105	105	110	119	121	122	123	123	121						
55	118	112	105	103	104	110	119	121	123	124	123	121						
60	118	111	103	101	102	108	119	122	124	125	123	121						
65	119	111	101	98.5	99.1	107	121	125	127	128	127	123						
70	124	113	99.7	96.0	97.1	108	126	131	132	134	132	129						
75	128	116	99.8	94.4	96.6	111	131	134	134	134	133	132						
80	127	116	98.5	92.1	94.4	111	130	130	128	127	127	127						
85	119	111	93.2	86.9	88.7	106	123	121	118	117	117	118						
90	112	102	84.7	78.3	79.5	95.6	114	117	118	119	118	116						
95	116	102	81.1	72.1	73.6	91.7	116	121	121	122	121	120						
100	117	104	83.5	75.3	75.6	92.7	117	121	119	119	119	120						
105	114	95.9	81.8	64.4	71.5	81.1	107	115	111	114	114	115						
110	108	67.3	70.5	50.1	57.9	65.2	100	110	101	111	105	110						
115	103	60.8	61.2	39.7	45.9	54.6	96.0	101	95.6	104	99.0	109						
120	97.9	58.9	54.5	32.0	40.5	49.6	91.5	95.5	95.6	94.4	93.7	102						
125	94.3	58.1	46.8	30.4	34.7	46.6	88.0	91.8	94.9	92.4	92.2	96.9						
130	89.3	58.8	40.5	27.3	28.3	44.8	85.0	92.3	93.9	91.7	91.7	92.5						
135	83.7	58.7	34.8	23.1	27.7	47.0	85.0	93.2	92.1	90.5	91.1	87.7						
140	78.6	58.4	28.2	20.2	28.9	50.4	84.5	91.7	90.0	88.8	89.3	84.7						
145	76.6	55.4	27.1	16.7	30.0	51.7	71.7	88.9	87.2	86.3	86.5	83.3						
150	69.6	50.1	24.8	12.6	30.8	52.4	63.8	84.3	84.0	83.4	83.5	81.8						
155	60.8	44.8	22.1	11.5	31.3	51.9	58.4	72.1	80.8	80.2	80.5	79.4						
160	55.5	40.0	17.0	11.1	31.9	50.9	52.8	63.4	77.1	77.0	77.0	76.4						
165	50.4	33.9	9.53	11.0	32.2	49.2	45.6	56.3	70.1	73.5	73.3	72.8						
170	45.3	27.2	8.07	25.2	44.2	50.2	37.7	48.8	61.9	69.4	69.4	68.8						
175	38.4	25.7	29.9	43.6	54.3	57.6	30.3	41.3	54.6	64.0	65.3	64.8						
180	38.0	33.4	47.3	56.9	61.0	62.2	37.9	33.5	47.4	56.8	61.0	62.2						

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: