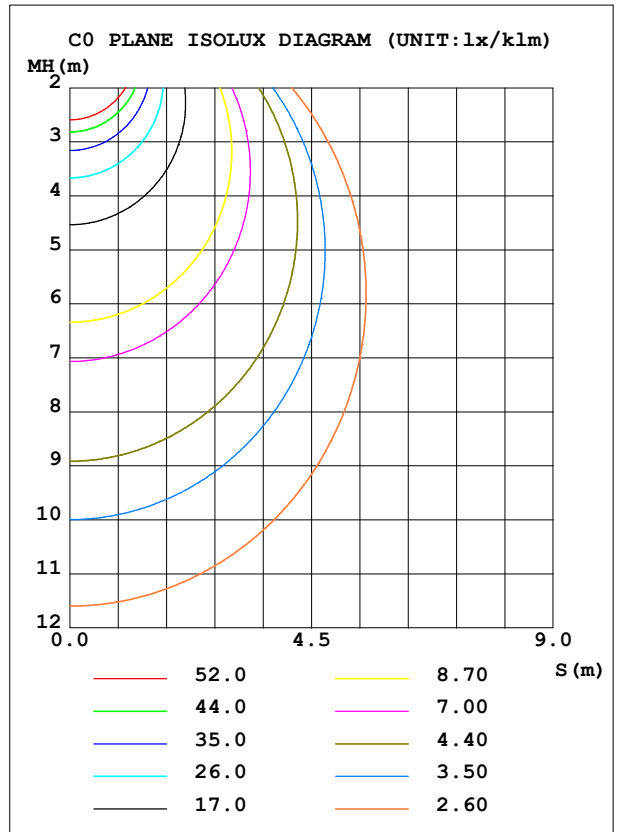
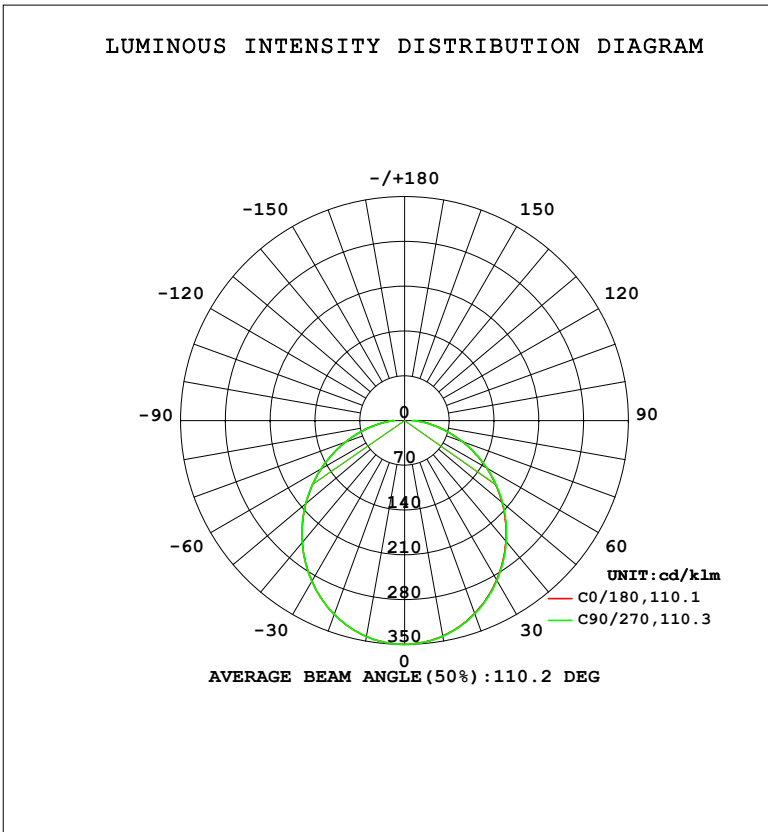


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL:CSC3030-LED-PIR-5CCT-WH		Imax (cd/klm)	351.1	S/MH (C0/180)	1.24
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm/klm)	1000.00	η UP, DN (C0-180)	0.0,49.8
NOMINAL FLUX (lm)	624.833	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

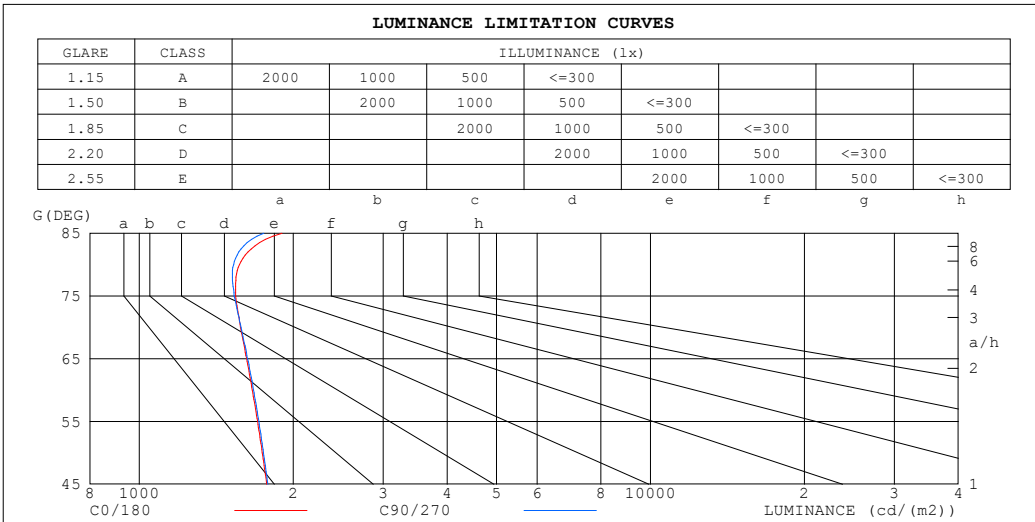
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	342.0	341.9	342.3	343.2	342.9	342.9	342.9	343.1	0- 10	33.06	33.06	3.31,3.31
20	320.6	320.8	321.4	322.0	322.2	322.5	322.2	322.0	10- 20	94.16	127.2	12.7,12.7
30	287.7	288.3	288.7	289.1	289.9	290.6	290.1	289.4	20- 30	141.4	268.6	26.9,26.9
40	246.3	247.0	247.4	247.6	248.7	249.6	248.9	247.9	30- 40	168.6	437.2	43.7,43.7
50	198.9	199.6	199.9	200.0	201.5	202.6	201.8	200.4	40- 50	173.5	610.7	61.1,61.1
60	147.9	148.6	148.7	148.9	150.6	151.7	150.8	149.4	50- 60	156.9	767.6	76.8,76.8
70	95.94	96.35	96.10	96.70	98.62	99.59	98.46	97.29	60- 70	122.2	889.9	89,89
80	48.49	48.36	47.20	48.83	50.81	51.68	50.03	49.42	70- 80	76.70	966.6	96.7,96.7
90	15.79	15.47	12.03	11.83	16.81	17.07	16.28	15.72	80- 90	33.43	1000.0	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1900	1752
80	1570	1529
75	1544	1533
70	1577	1580
65	1622	1628
60	1664	1673
55	1704	1713
50	1740	1749
45	1775	1784

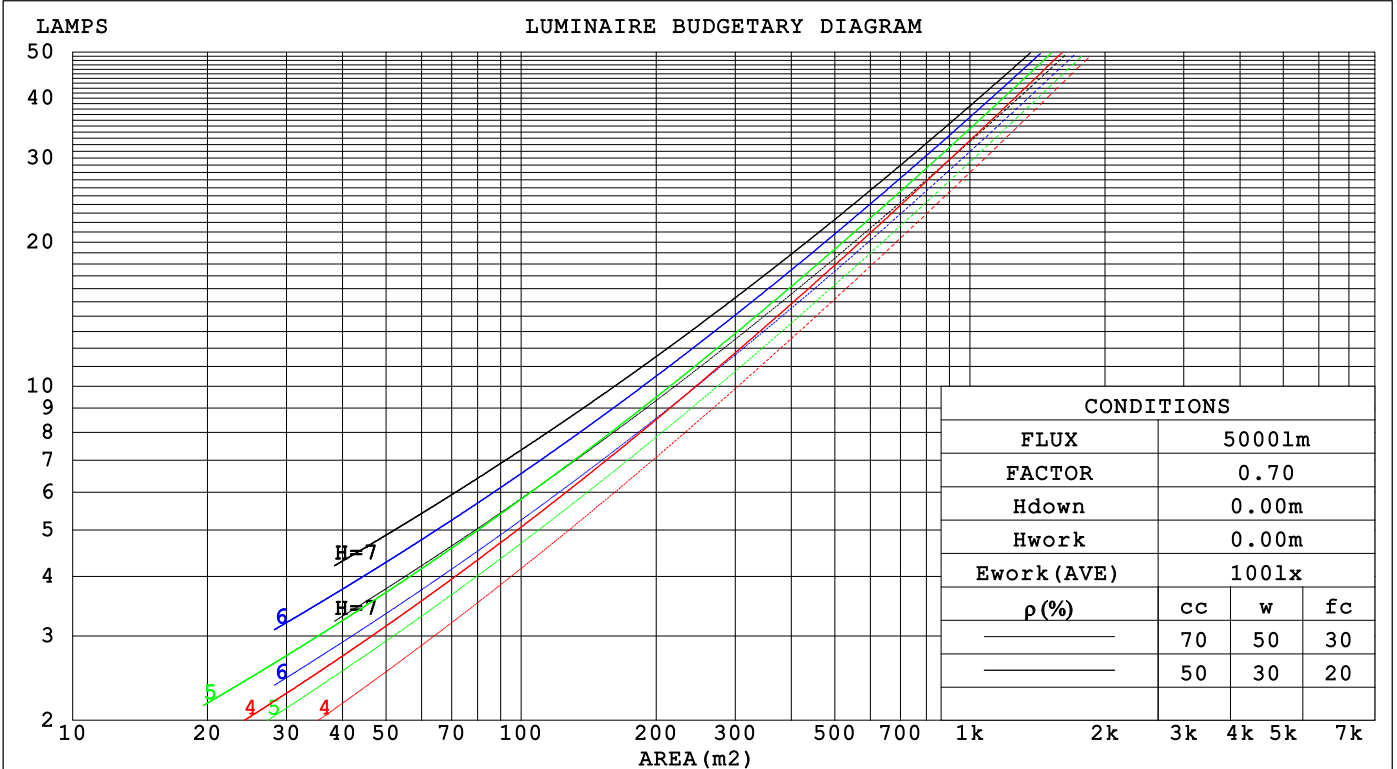
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.03	.98	.94	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.89	.87	.84	.82
2.0	.89	.82	.76	.88	.81	.75	.84	.78	.74	.81	.76	.72	.78	.74	.70	.68
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.64	.59	.57
4.0	.69	.60	.54	.68	.60	.53	.66	.58	.52	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.328	.186	.059	.320	.183	.058	.307	.176	.056	.295	.170	.055	.283	.164	.053	
2.0	.301	.165	.051	.295	.163	.050	.283	.158	.049	.272	.153	.048	.262	.148	.047	
3.0	.276	.147	.044	.271	.145	.044	.260	.141	.043	.250	.137	.042	.242	.134	.041	
4.0	.253	.132	.039	.248	.130	.038	.239	.127	.038	.231	.124	.037	.223	.121	.037	
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.182	.156	.133	.155	.134	.114	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.174	.132	.097	.149	.114	.084	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.142	.099	.064	.098	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz										
Lamp Flux:624.833x1 lm										
NAME: CSC3030-LED-PIR-5CCT-WH					TYPE:			WEIGHT:		
SPEC.: 3000K 90					DIM.:			SERIAL No.:		
MFR.:					SUR.:			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	16.3	17.8	16.5	18.0	18.2	16.3	17.8	16.6	18.0	18.2
3H	17.9	19.3	18.2	19.5	19.8	17.9	19.3	18.2	19.5	19.8
4H	18.6	19.9	18.9	20.2	20.4	18.6	19.9	18.9	20.2	20.4
6H	19.1	20.4	19.5	20.7	21.0	19.1	20.4	19.5	20.7	21.0
8H	19.4	20.6	19.7	20.9	21.2	19.4	20.6	19.7	20.9	21.2
12H	19.6	20.8	20.0	21.1	21.4	19.6	20.8	19.9	21.1	21.4
4H 2H	16.9	18.3	17.2	18.5	18.8	16.9	18.3	17.2	18.5	18.8
3H	18.7	19.9	19.0	20.2	20.5	18.7	19.9	19.1	20.2	20.5
4H	19.5	20.6	19.9	20.9	21.3	19.5	20.6	19.9	21.0	21.3
6H	20.3	21.3	20.7	21.6	22.0	20.3	21.2	20.7	21.6	22.0
8H	20.6	21.5	21.0	21.9	22.3	20.6	21.5	21.0	21.8	22.2
12H	20.9	21.8	21.3	22.1	22.6	20.8	21.7	21.3	22.1	22.5
8H 4H	19.9	20.8	20.3	21.1	21.5	19.9	20.8	20.3	21.1	21.5
6H	20.8	21.6	21.2	22.0	22.4	20.8	21.5	21.2	21.9	22.4
8H	21.2	21.9	21.7	22.4	22.8	21.2	21.9	21.7	22.3	22.8
12H	21.7	22.3	22.2	22.7	23.2	21.6	22.2	22.1	22.7	23.1
12H 4H	19.9	20.7	20.3	21.1	21.5	19.9	20.7	20.3	21.1	21.5
6H	20.9	21.6	21.4	22.0	22.5	20.9	21.6	21.3	22.0	22.4
8H	21.4	22.0	21.9	22.4	22.9	21.4	22.0	21.8	22.4	22.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 624.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.6)
 Area: 0.111111 m2

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Temperature:25.3℃	Humidity:65.0%
Operators:	Test Distance:10.000m [K=1.0000]
Test Date:2024-05-29	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

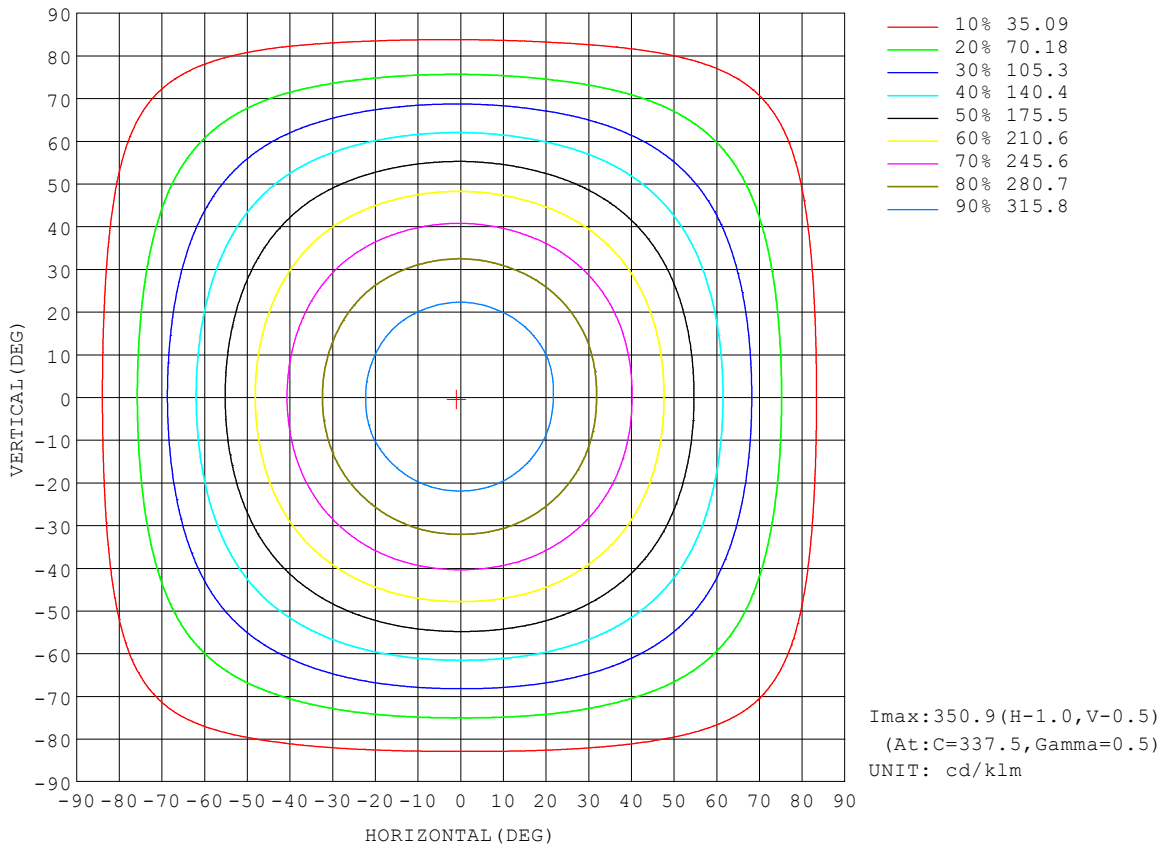
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	69	82	74	68	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	88	99	93	87	95	90	85	77
4.00	105	100	95	103	98	93	99	94	91	81
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

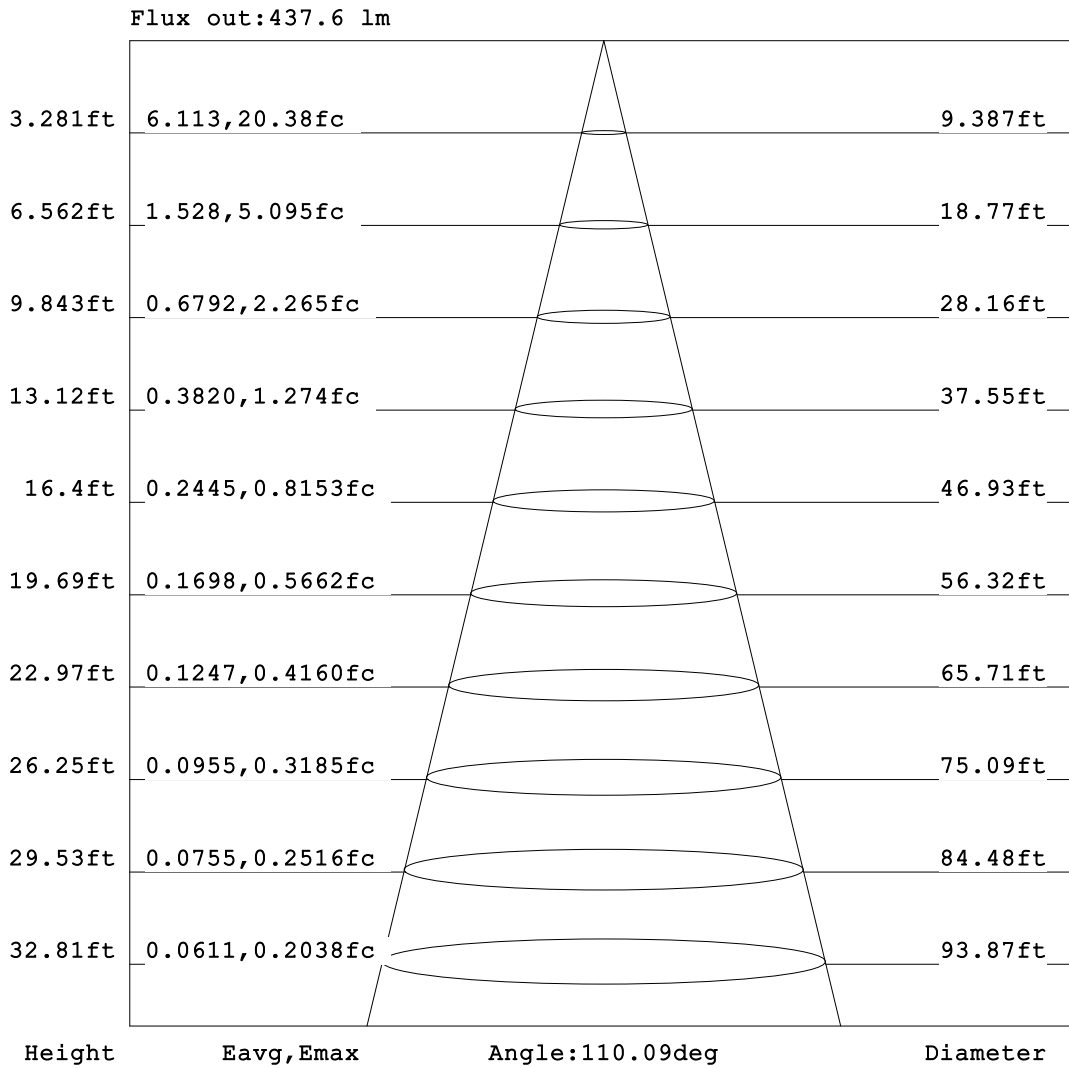


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



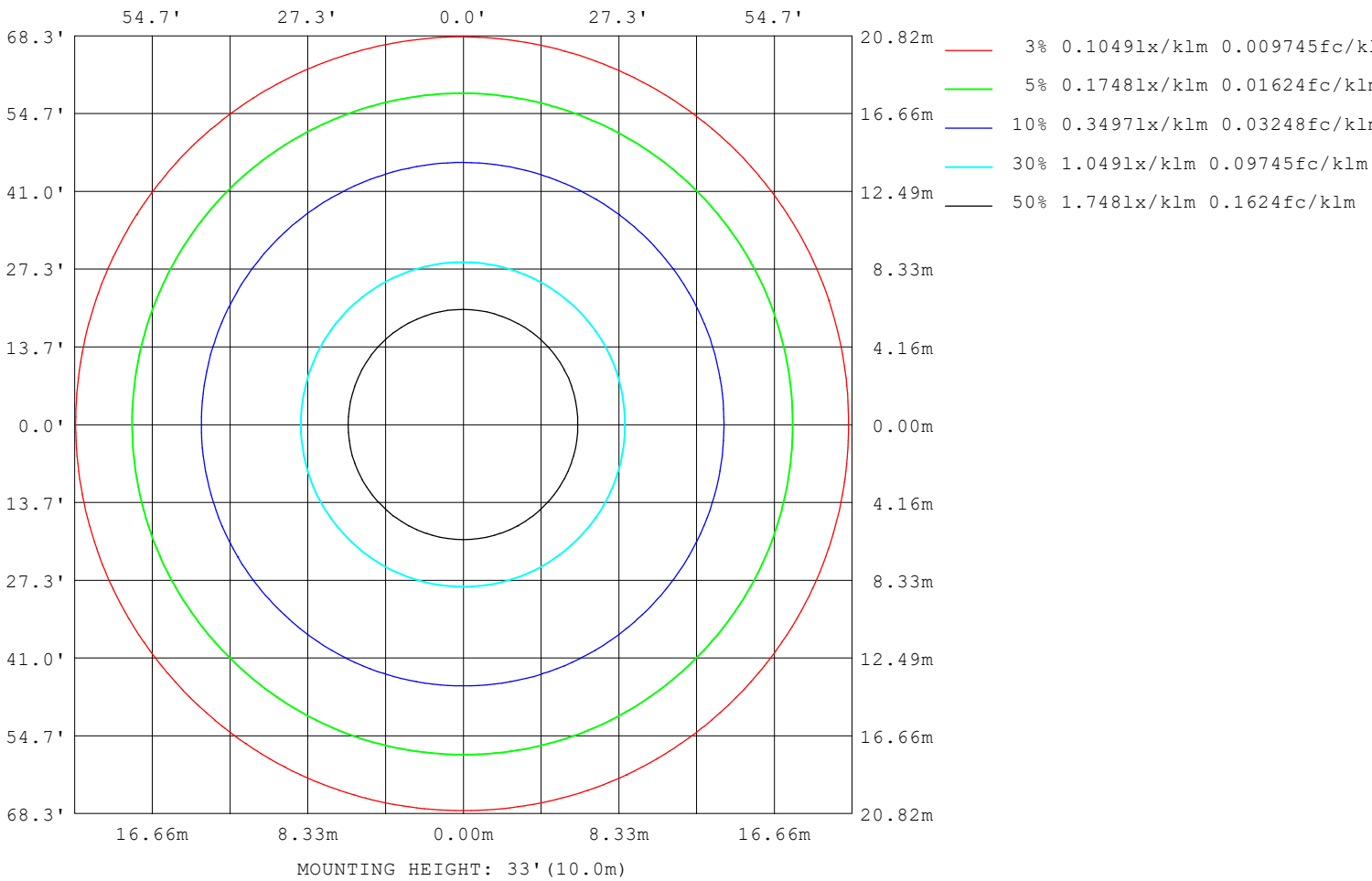
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2024-05-29

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

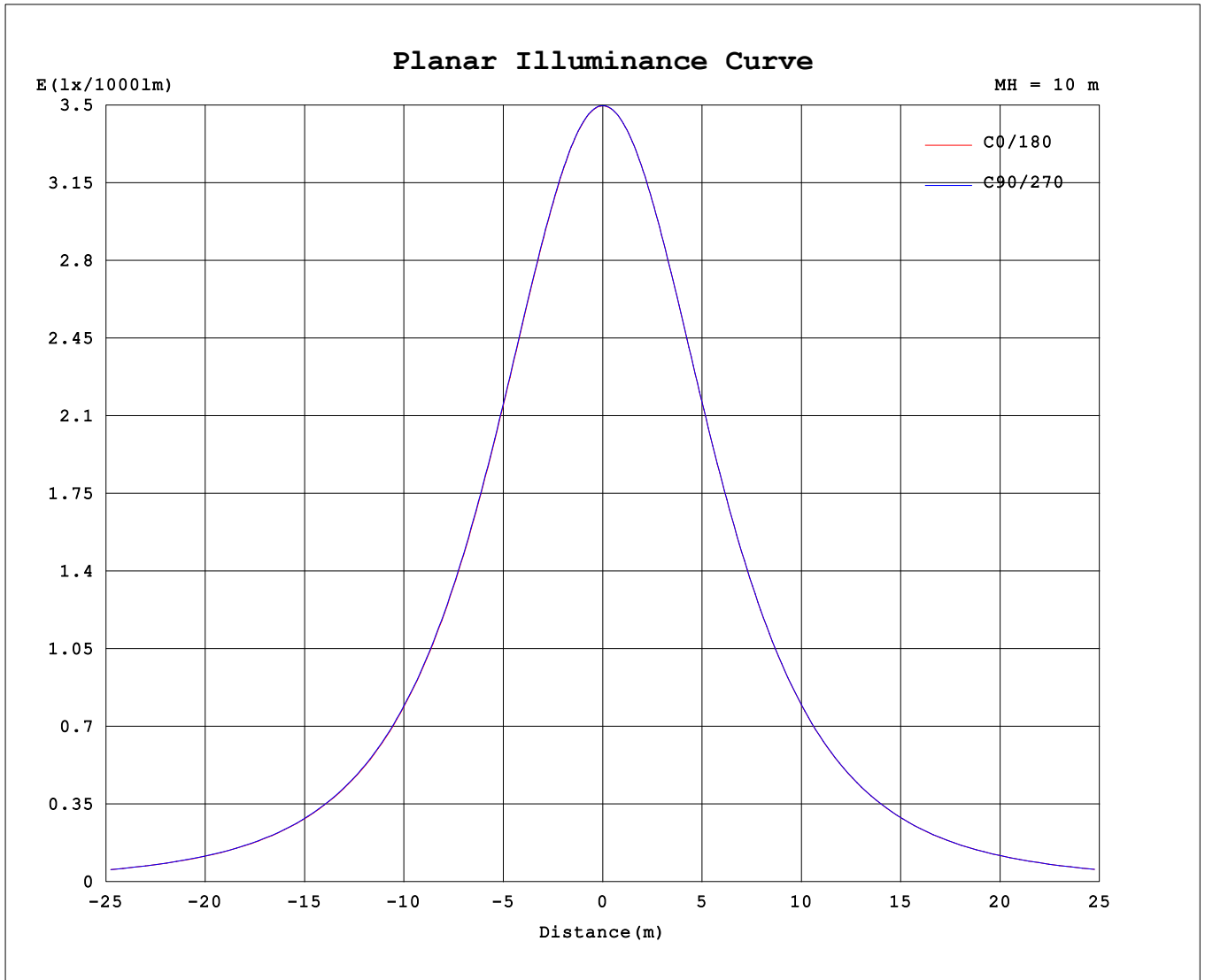
AvgL	cd/m2
L_0~180 (65) av	1640
L_0~180 (75) av	1574
L_0~180 (85) av	1961
L_90~270 (65) av	1643
L_90~270 (75) av	1562
L_90~270 (85) av	1865
L_45 (65) av	1644
L_45 (75) av	1572
L_45 (85) av	1931

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-05-29

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.479
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.30V I:0.0936A P:10.063W PF:0.8932 Freq:59.98Hz Lamp Flux:624.833x1 lm		
NAME: CSC3030-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd/klm

C (DEG)\ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	350	350	350	350	350	350	350	351	350	350	350	350	350	350	350	351			
5	348	348	348	348	348	348	349	349	348	348	348	348	348	348	348	349			
10	342	342	342	342	342	343	343	344	343	343	343	343	343	343	343	344			
15	333	333	333	333	333	334	334	335	334	334	334	334	334	334	334	335			
20	321	321	321	321	321	322	322	323	322	322	322	322	322	322	322	322			
25	305	306	306	306	306	307	307	308	307	307	308	307	307	307	307	307			
30	288	288	288	289	289	289	289	290	290	290	291	290	290	289	289	289			
35	268	269	269	269	269	269	269	270	270	270	271	270	270	270	270	270			
40	246	247	247	248	247	248	248	249	249	249	250	249	249	248	248	248			
45	223	224	224	225	224	225	224	225	226	226	227	226	226	225	225	225			
50	199	200	200	200	200	200	200	201	201	202	203	202	202	201	200	200			
55	174	175	175	175	175	175	175	176	176	177	178	177	177	175	175	175			
60	148	149	149	149	149	149	149	150	151	151	152	151	151	150	149	149			
65	122	123	122	123	122	123	123	124	125	125	126	125	125	123	123	123			
70	95.9	96.5	96.3	96.8	96.1	96.6	96.7	97.8	98.6	99.0	99.6	98.7	98.5	97.4	97.3	96.9			
75	71.1	71.6	71.1	71.4	70.5	71.3	71.5	73.0	73.8	74.0	74.5	73.6	73.3	72.3	72.3	71.9			
80	48.5	48.7	48.4	47.9	47.2	47.8	48.8	50.0	50.8	51.2	51.7	50.6	50.0	49.4	49.4	49.2			
85	29.5	29.6	29.1	28.1	27.2	27.8	28.9	30.5	31.3	31.6	31.8	31.1	30.6	30.1	30.0	29.9			
90	15.8	15.7	15.5	13.8	12.0	12.6	11.8	16.1	16.8	17.2	17.1	16.8	16.3	16.0	15.7	15.9			

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.479
Temperature:25.3℃	Humidity:65.0%
Operators:	Test Distance:10.000m [K=1.0000]
Test Date:2024-05-29	Remarks: