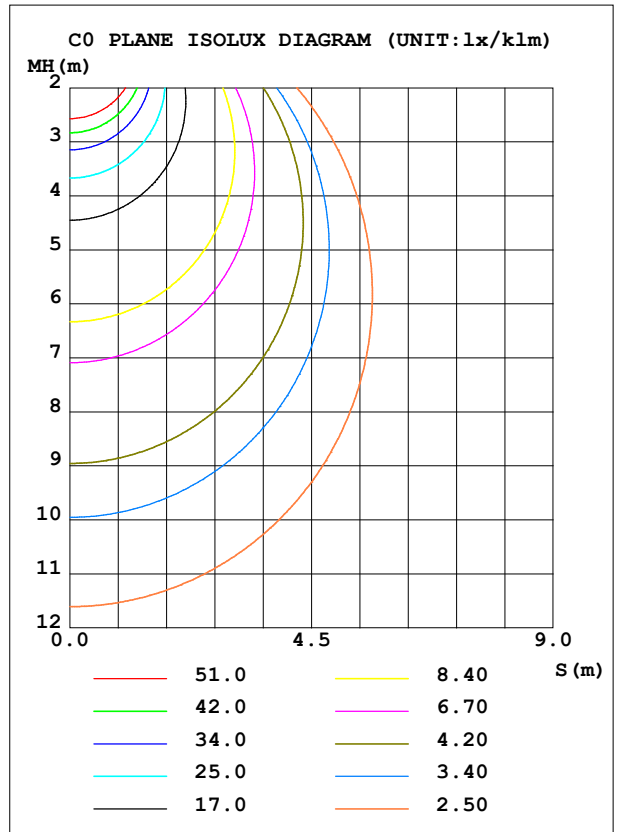
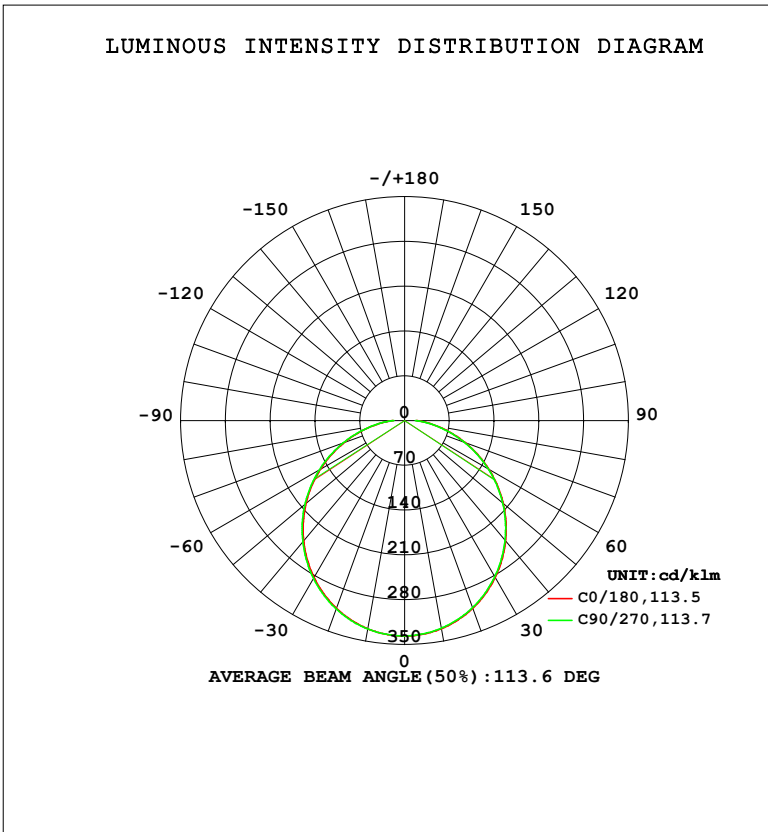


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL: CSC3025-LED-PIR-5CCT-WH		Imax (cd/klm)	336.9	S/MH (C0/180)	1.25
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	0.0, 49.8
NOMINAL FLUX (lm)	836.849	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: 2024-03-14

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:

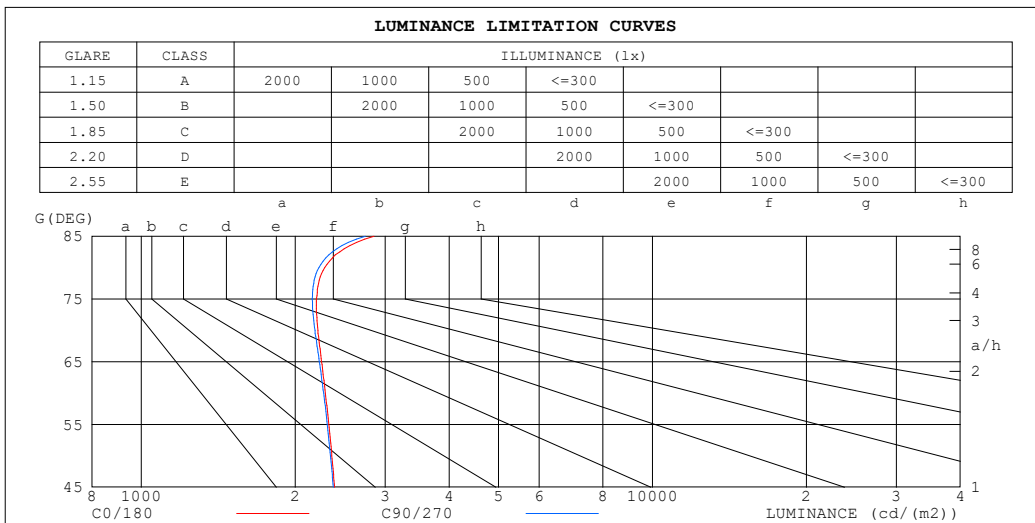
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	330.5	330.0	329.7	329.7	330.5	330.9	330.9	330.8	0- 10	31.83	31.83	3.18,3.18
20	312.1	311.4	311.0	311.0	312.1	313.0	313.3	312.9	10- 20	91.05	122.9	12.3,12.3
30	283.2	282.5	282.0	281.6	283.2	284.6	284.9	284.4	20- 30	137.8	260.6	26.1,26.1
40	245.8	245.0	244.4	244.0	245.5	247.1	247.6	247.0	30- 40	166.1	426.8	42.7,42.7
50	201.3	200.7	200.1	199.6	201.2	202.8	203.4	202.7	40- 50	173.1	599.8	60,60
60	152.1	151.6	150.9	150.5	151.8	153.5	154.0	153.4	50- 60	158.5	758.3	75.8,75.8
70	100.6	100.1	99.27	98.97	100.3	101.8	102.2	101.9	60- 70	125.2	883.5	88.4,88.4
80	52.69	52.35	51.32	51.43	52.31	53.46	53.46	53.64	70- 80	80.14	963.7	96.4,96.4
90	18.38	18.27	16.83	16.96	17.84	18.21	16.63	17.93	80- 90	36.33	1000	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:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	2852	2743
80	2285	2226
75	2201	2160
70	2216	2186
65	2252	2229
60	2291	2273
55	2327	2311
50	2359	2345
45	2388	2376

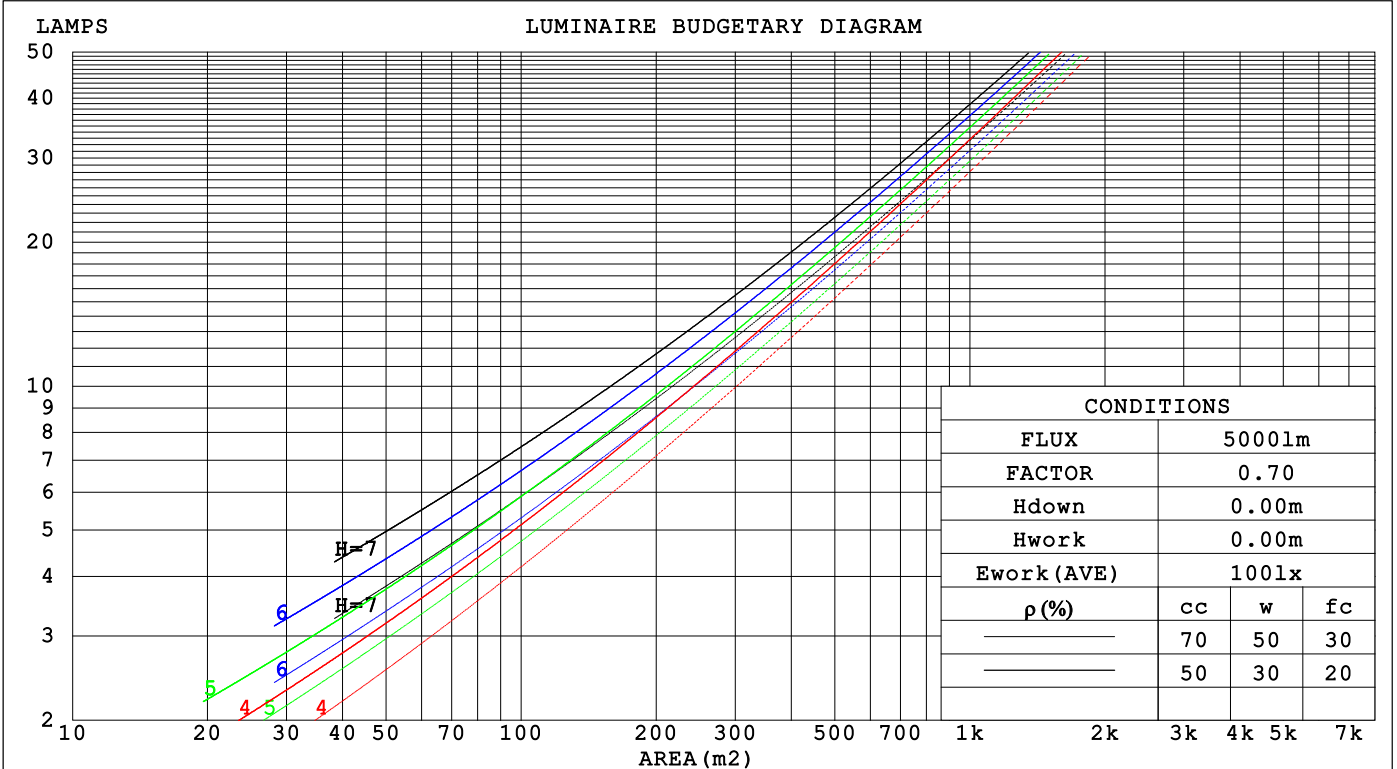
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	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	1.00
1.0	1.03	.98	.94	1.00	.96	.92	.96	.93	.89	.92	.89	.87	.88	.86	.84	.82
2.0	.89	.82	.76	.87	.80	.75	.83	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.78	.69	.63	.76	.68	.62	.73	.66	.61	.70	.65	.60	.68	.63	.59	.56
4.0	.69	.60	.53	.68	.59	.52	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.34	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz		
Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	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	.334	.190	.060	.326	.186	.059	.313	.180	.057	.301	.173	.056	.289	.168	.054	
2.0	.306	.168	.051	.299	.165	.051	.288	.160	.050	.277	.155	.049	.267	.151	.048	
3.0	.279	.149	.045	.274	.147	.044	.263	.143	.043	.254	.139	.043	.245	.136	.042	
4.0	.256	.133	.039	.251	.131	.039	.242	.128	.038	.233	.125	.038	.225	.122	.037	
5.0	.235	.120	.035	.231	.119	.035	.223	.116	.034	.215	.114	.034	.208	.111	.033	
6.0	.218	.109	.031	.214	.108	.031	.206	.106	.031	.200	.104	.030	.193	.102	.030	
7.0	.202	.100	.028	.198	.099	.028	.192	.097	.028	.186	.095	.028	.180	.094	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.090	.026	.174	.088	.025	.169	.087	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

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	.132	.156	.134	.114	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.174	.132	.096	.149	.113	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	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	16.4	17.9	16.6	18.1	18.3	16.3	17.9	16.6	18.1	18.3
3H	18.0	19.5	18.3	19.7	20.0	18.0	19.4	18.3	19.7	19.9
4H	18.8	20.2	19.1	20.4	20.7	18.7	20.1	19.0	20.4	20.6
6H	19.4	20.7	19.8	21.0	21.3	19.4	20.7	19.7	20.9	21.2
8H	19.7	21.0	20.1	21.3	21.5	19.6	20.9	20.0	21.2	21.5
12H	20.0	21.2	20.3	21.5	21.8	19.9	21.1	20.2	21.4	21.7
4H 2H	17.0	18.4	17.3	18.6	18.9	17.0	18.4	17.3	18.6	18.9
3H	18.9	20.1	19.2	20.4	20.7	18.9	20.1	19.2	20.4	20.7
4H	19.8	20.9	20.2	21.2	21.5	19.7	20.8	20.1	21.2	21.5
6H	20.6	21.6	21.0	21.9	22.3	20.5	21.5	20.9	21.9	22.2
8H	20.9	21.9	21.4	22.2	22.6	20.9	21.8	21.3	22.2	22.5
12H	21.3	22.2	21.7	22.5	22.9	21.2	22.1	21.6	22.4	22.9
8H 4H	20.1	21.0	20.5	21.4	21.8	20.1	21.0	20.5	21.4	21.8
6H	21.1	21.9	21.6	22.3	22.7	21.1	21.8	21.5	22.2	22.7
8H	21.6	22.3	22.1	22.7	23.2	21.5	22.2	22.0	22.7	23.1
12H	22.1	22.7	22.6	23.2	23.7	22.0	22.6	22.5	23.1	23.6
12H 4H	20.2	21.0	20.6	21.4	21.8	20.1	21.0	20.5	21.4	21.8
6H	21.2	21.9	21.7	22.4	22.8	21.2	21.9	21.6	22.3	22.7
8H	21.8	22.4	22.3	22.8	23.3	21.7	22.3	22.2	22.8	23.3

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, 836.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)
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:2024-03-14	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

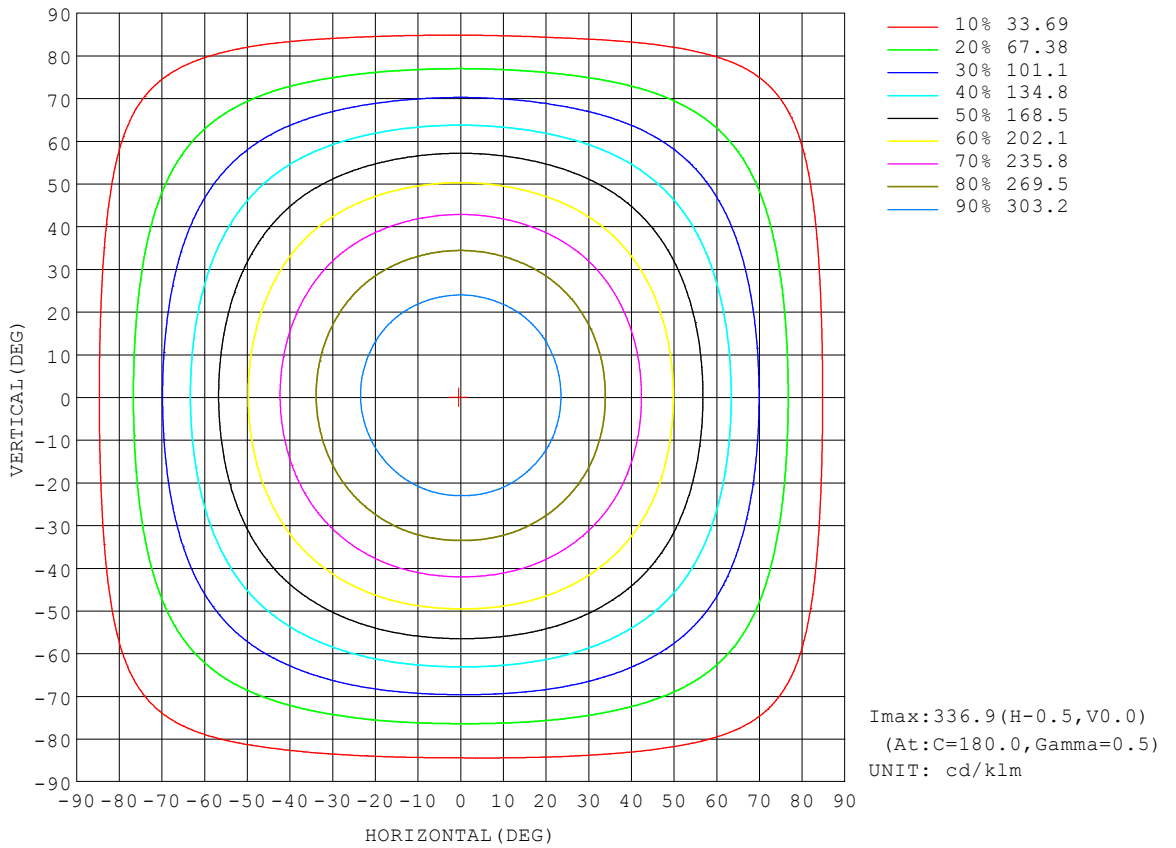
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	44	38	55	44	37	31
0.80	66	54	47	65	54	47	64	53	46	39
1.00	75	63	56	73	63	55	71	64	55	48
1.25	82	71	63	80	70	63	78	69	62	55
1.50	87	76	69	85	76	69	82	74	68	60
2.00	94	85	78	92	83	77	88	81	76	68
2.50	98	89	83	96	88	82	92	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
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:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

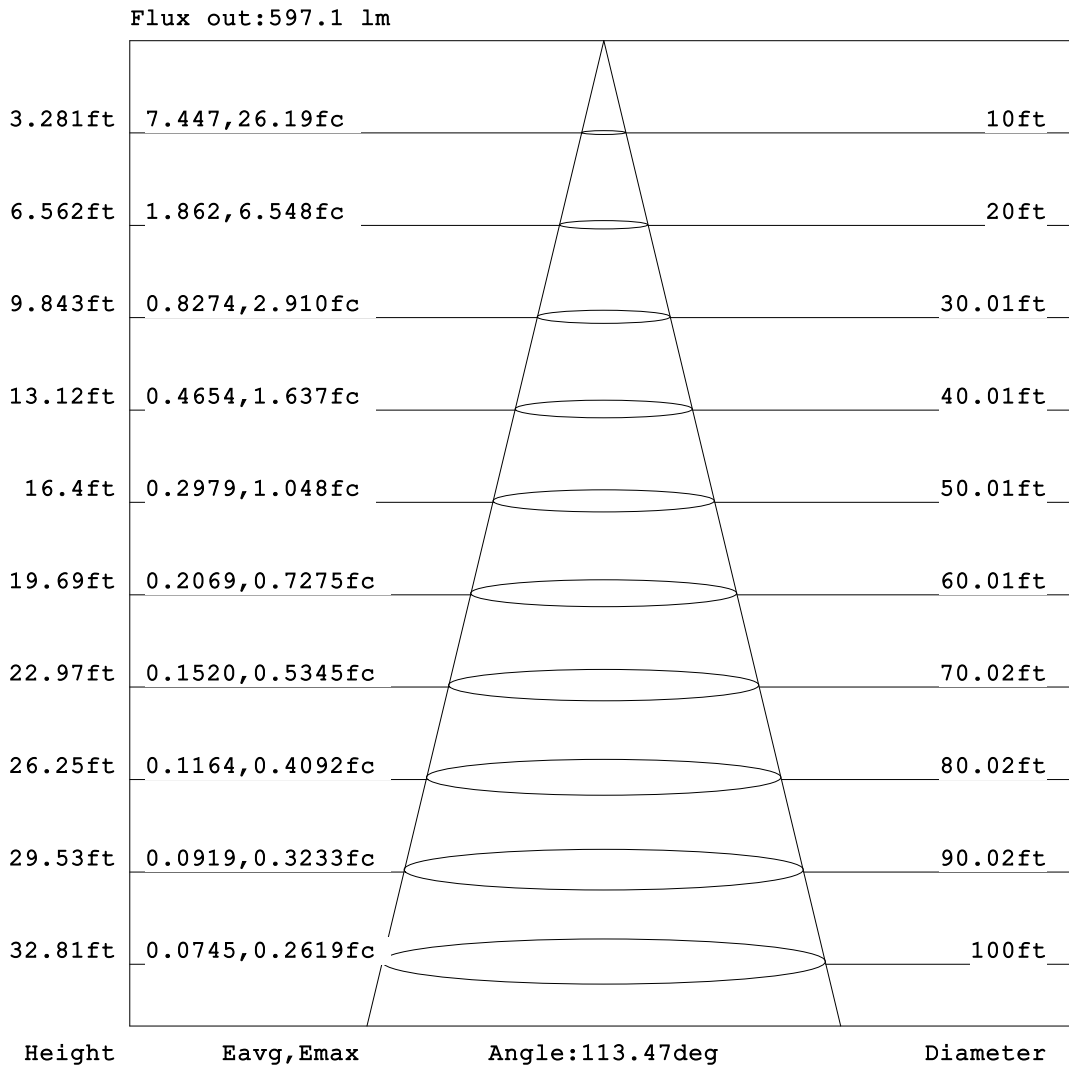


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



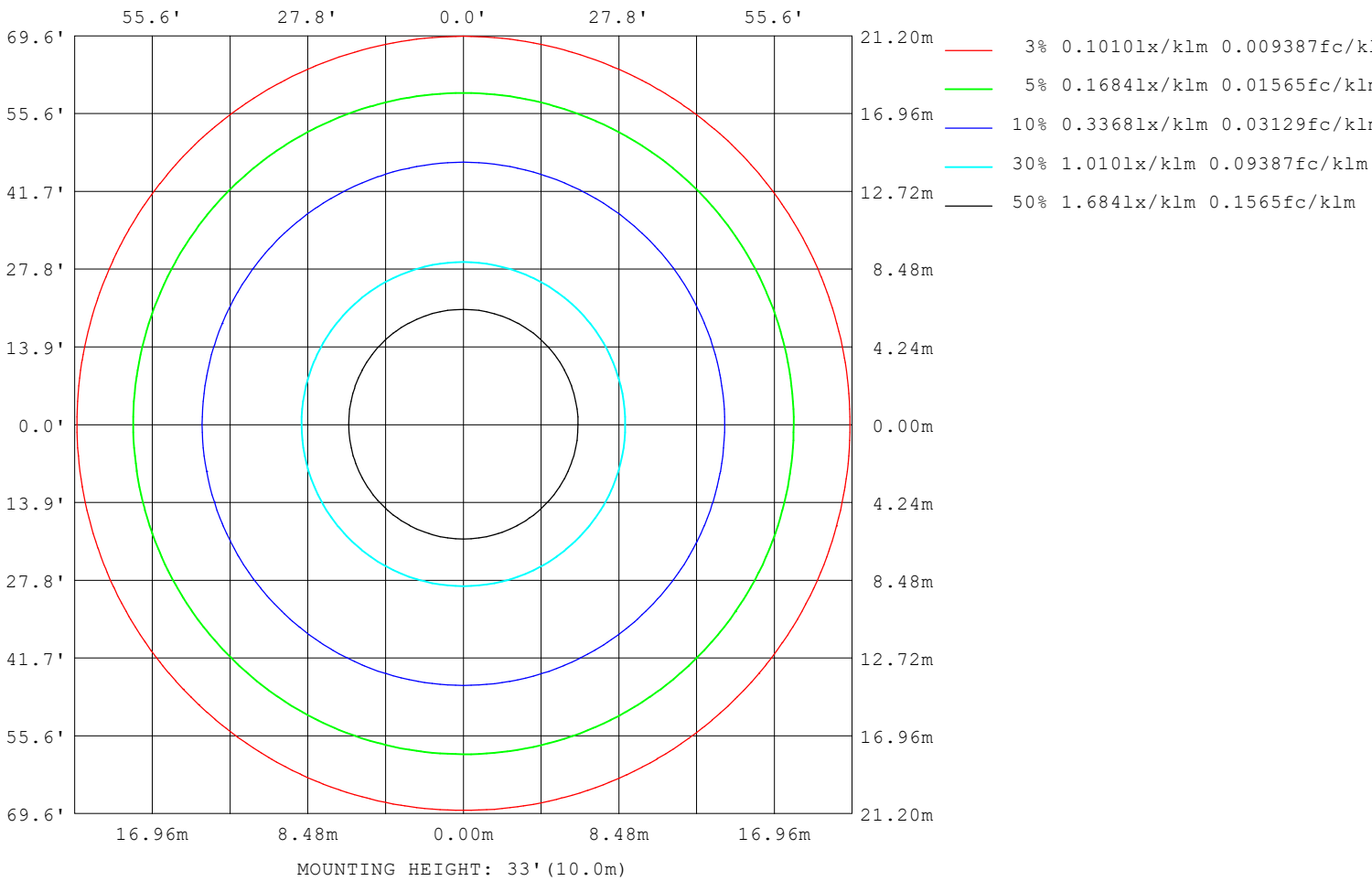
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	SUR.:	Shielding Angle:

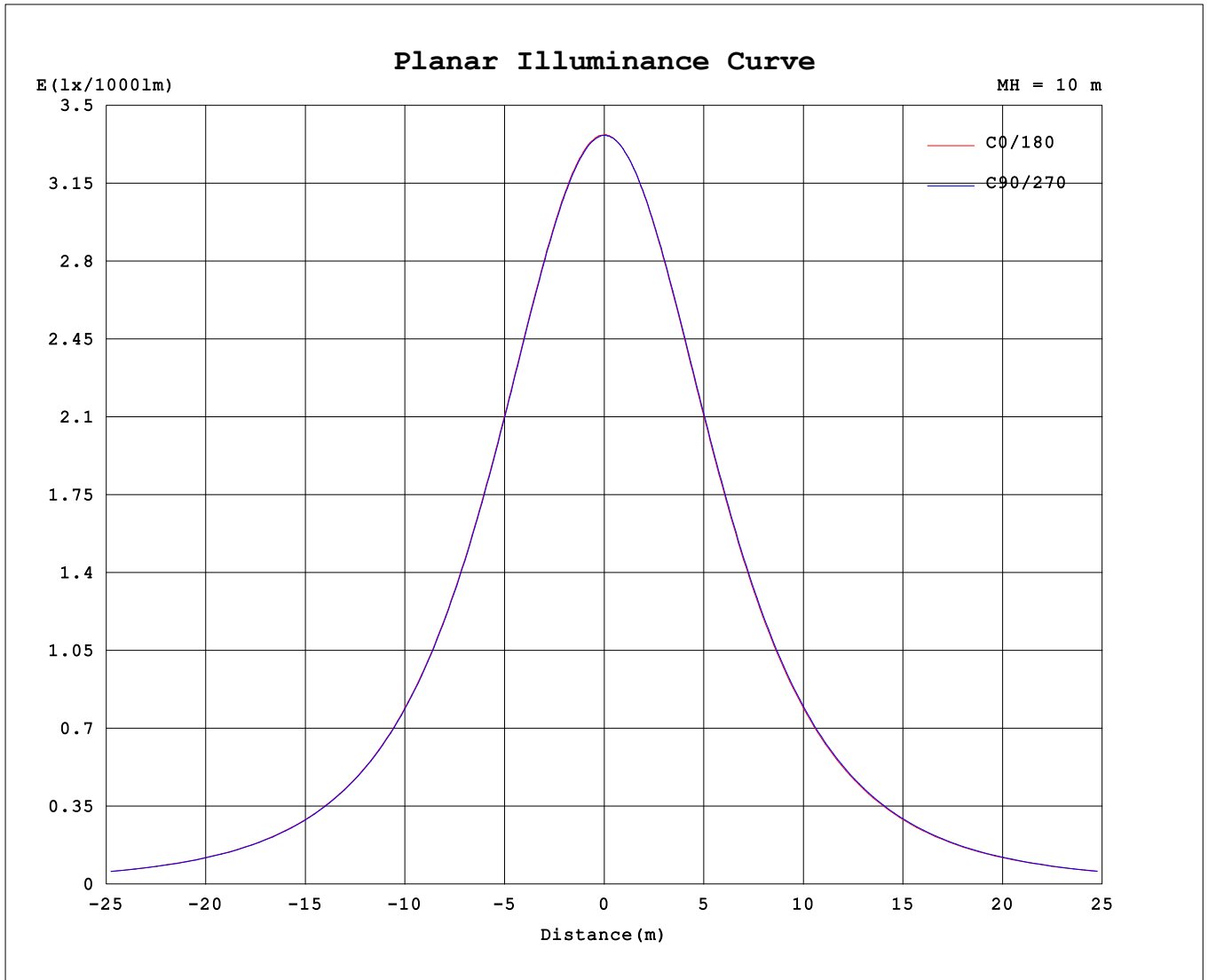
AvgL	cd/m2
L_0~180 (65) av	2250
L_0~180 (75) av	2197
L_0~180 (85) av	2831
L_90~270 (65) av	2257
L_90~270 (75) av	2199
L_90~270 (85) av	2797
L_45 (65) av	2254
L_45 (75) av	2201
L_45 (85) av	2821

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

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: 2024-03-14

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:120.64V I:0.1378A P:15.022W PF:0.9035 Freq:59.98Hz Lamp Flux:836.849x1 lm		
NAME: CSC3025-LED-PIR-5CCT-WH	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.: LTS	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	337	337	337	337	336	336	336	337	337	337	337	337	336	336	336	337			
5	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335			
10	331	330	330	330	330	330	330	330	331	331	331	331	331	331	331	331			
15	323	323	322	322	322	322	322	322	323	323	323	323	324	323	323	323			
20	312	312	311	311	311	311	311	311	312	312	313	313	313	313	313	313			
25	299	299	298	298	298	298	297	298	299	299	300	300	300	300	300	299			
30	283	283	282	283	282	282	282	282	283	284	285	285	285	285	284	284			
35	265	265	265	265	264	264	264	264	265	266	267	267	267	267	267	266			
40	246	246	245	245	244	244	244	245	246	246	247	247	248	247	247	246			
45	224	224	224	224	223	223	222	223	224	225	226	226	226	226	226	225			
50	201	201	201	201	200	200	200	200	201	202	203	203	203	203	203	202			
55	177	177	177	177	176	176	176	176	177	178	179	179	179	179	179	178			
60	152	152	152	152	151	151	150	151	152	152	154	154	154	153	153	153			
65	126	127	126	126	125	125	125	125	126	127	128	128	128	128	128	127			
70	101	101	100	100	99.3	99.5	99.0	99.5	100	101	102	102	102	102	102	101			
75	75.6	75.8	75.2	75.1	74.2	74.6	74.0	74.7	75.4	75.7	76.6	76.6	76.9	76.4	76.8	76.2			
80	52.7	52.8	52.3	52.1	51.3	51.5	51.4	51.8	52.3	52.7	53.5	53.2	53.5	52.9	53.6	53.1			
85	33.0	33.1	32.7	32.3	31.7	31.6	31.6	32.1	32.5	32.8	33.3	33.0	33.0	32.3	33.0	33.3			
90	18.4	18.4	18.3	17.4	16.8	11.5	17.0	17.6	17.8	18.1	18.2	12.3	16.6	16.9	17.9	18.4			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2024-03-14

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: