

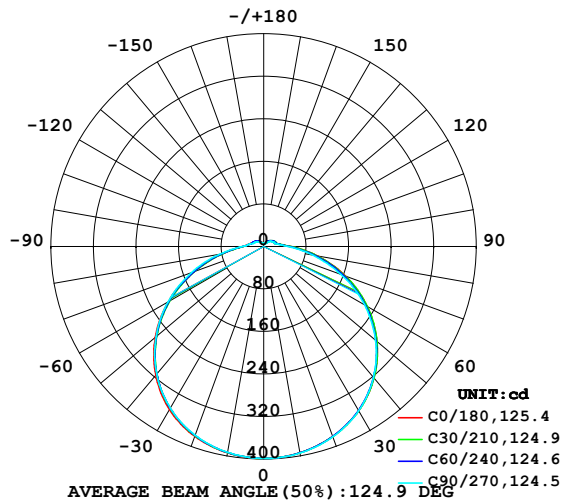
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

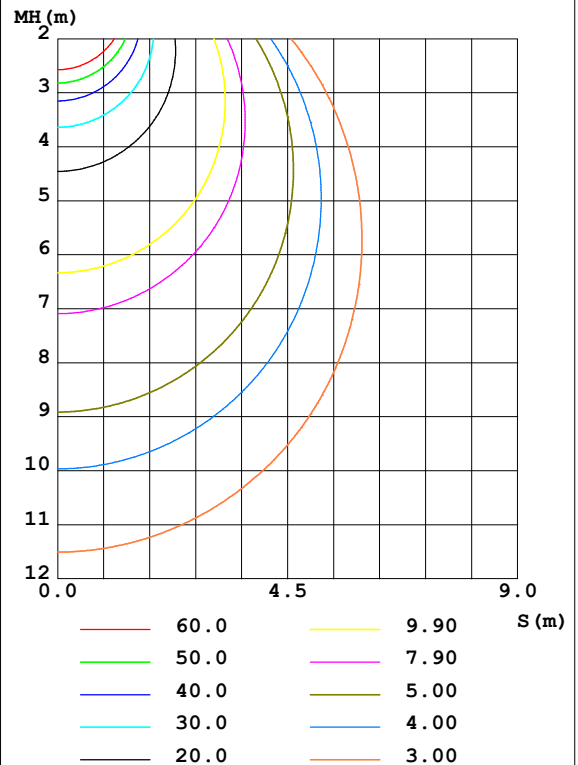
Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.57 lm/W			
MODEL	ASD-LFMDR-12D20CC-NK	I _{max} (cd)	398.8	S/MH (C0/180)	1.32
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1473.6	η UP, DN (C0-180)	4.3, 46.9
NOMINAL FLUX (lm)	1473.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	4.0, 44.9
LAMPS INSIDE	1	η up (%)	8.3	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.0	η down (%)	91.7	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: DAMIN
Test Date: 2025-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	393.8	394.0	394.4	394.9	393.9	393.5	393.0	392.9	0- 10	37.82	37.82	2.57,2.57
20	380.1	380.1	380.8	381.7	379.8	378.4	377.7	377.9	10- 20	109.6	147.4	10,10
30	357.0	356.7	357.1	357.7	354.3	351.8	351.3	352.5	20- 30	170.0	317.5	21.5,21.5
40	322.6	322.1	321.4	321.2	315.9	312.8	313.3	316.0	30- 40	211.5	529.0	35.9,35.9
50	278.0	277.2	274.7	273.3	266.2	263.0	264.6	269.0	40- 50	228.1	757.1	51.4,51.4
60	224.3	223.0	218.9	215.6	206.9	204.3	207.3	213.3	50- 60	217.5	974.6	66.1,66.1
70	164.3	161.0	154.3	150.4	139.3	139.3	145.0	151.0	60- 70	181.0	1156	78.4,78.4
80	102.3	99.75	93.11	87.52	78.36	78.63	82.82	90.40	70- 80	126.0	1282	87,87
90	50.67	49.76	45.73	43.06	39.31	38.90	40.02	43.52	80- 90	69.94	1352	91.7,91.7
100	28.34	28.46	27.39	27.76	28.01	26.71	27.23	26.27	90-100	37.31	1389	94.3,94.3
110	21.21	23.11	21.28	23.72	21.29	22.09	19.98	20.63	100-110	25.21	1414	96,96
120	19.12	20.85	18.75	20.66	18.72	19.09	17.59	18.41	110-120	20.65	1435	97.4,97.4
130	16.12	17.44	14.98	16.89	15.34	16.08	13.66	15.24	120-130	15.92	1451	98.4,98.4
140	11.85	13.49	10.61	12.89	10.58	12.05	9.741	12.17	130-140	10.87	1462	99.2,99.2
150	8.833	9.391	7.860	8.196	8.289	8.104	7.376	8.464	140-150	6.304	1468	99.6,99.6
160	6.606	7.091	6.425	6.735	6.432	6.334	6.283	6.632	150-160	3.454	1471	99.8,99.8
170	5.967	5.983	5.964	5.840	5.969	5.784	5.838	5.813	160-170	1.758	1473	100,100
180	5.604	5.532	5.549	5.528	5.595	5.530	5.555	5.526	170-180	0.5512	1474	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

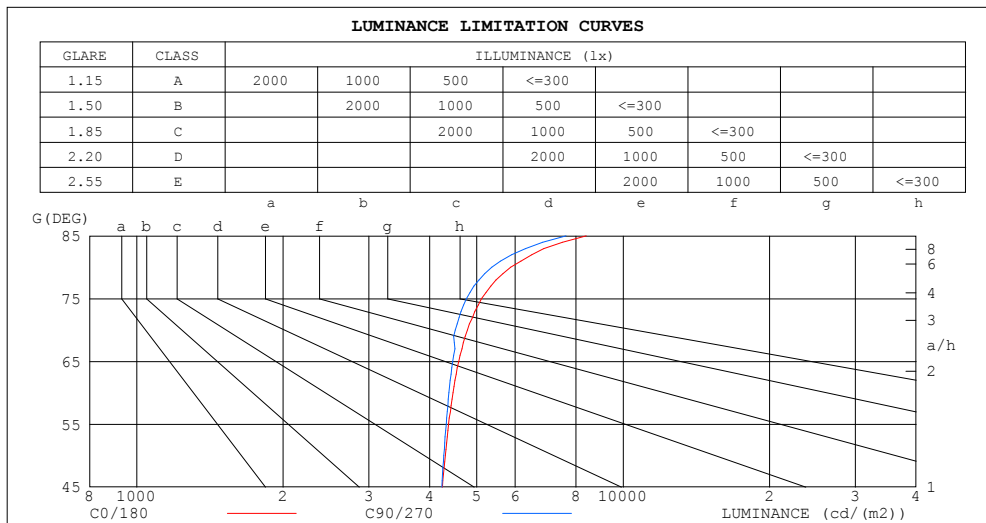
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-01-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8400	7635
80	5872	5368
75	5117	4763
70	4787	4516
65	4592	4460
60	4469	4384
55	4375	4327
50	4310	4278
45	4250	4238

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-01-15

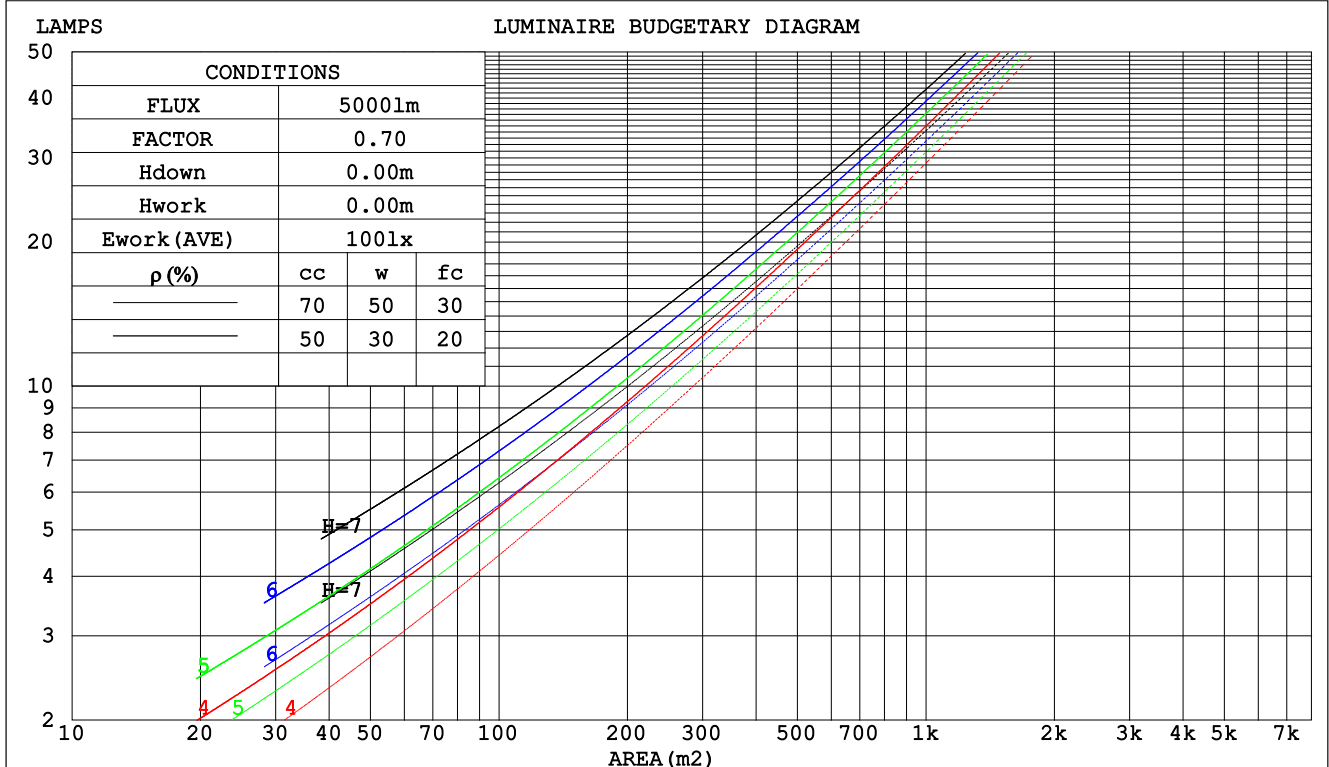
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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			Coefficients of Utilization(CU)												
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	.94	.94	.94	.92
1.0	.00	.95	.90	.97	.92	.88	.91	.87	.84	.85	.82	.80	.80	.78	.76	.73
2.0	.86	.78	.72	.83	.76	.71	.78	.73	.68	.74	.69	.65	.70	.66	.62	.60
3.0	.75	.66	.59	.73	.65	.58	.68	.62	.56	.64	.59	.54	.61	.56	.52	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.44	.39	.48	.43	.38	.36
6.0	.53	.43	.37	.51	.42	.36	.48	.41	.35	.46	.39	.34	.44	.38	.33	.31
7.0	.47	.38	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.27	.38	.32	.27	.36	.31	.26	.24
9.0	.40	.31	.25	.39	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.23	.22
10.0	.36	.28	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-01-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm					
NAME: ASD-LFMDR-12D20CC-NK			TYPE:		WEIGHT:
SPEC.:5000K			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:		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	.351	.200	.063	.342	.195	.062	.324	.186	.059	.307	.177	.057	.292	.169	.054		
2.0	.316	.173	.053	.307	.169	.052	.291	.162	.050	.276	.155	.048	.262	.148	.047		
3.0	.286	.152	.046	.278	.149	.045	.264	.143	.043	.250	.137	.042	.238	.132	.041		
4.0	.261	.135	.040	.254	.133	.039	.240	.128	.038	.228	.123	.037	.217	.118	.036		
5.0	.239	.122	.035	.232	.119	.035	.221	.115	.034	.210	.111	.033	.199	.106	.032		
6.0	.220	.110	.032	.214	.108	.031	.203	.104	.030	.194	.101	.030	.184	.097	.029		
7.0	.204	.101	.029	.198	.099	.028	.189	.095	.027	.180	.092	.027	.171	.089	.026		
8.0	.189	.093	.026	.185	.091	.026	.176	.088	.025	.168	.085	.024	.160	.082	.024		
9.0	.177	.086	.024	.173	.084	.024	.165	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.166	.079	.022	.162	.078	.022	.155	.076	.021	.148	.073	.021	.141	.071	.020		

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	.254	.254	.254	.217	.217	.217	.148	.148	.148	.085	.085	.085	.027	.027	.027	
1.0	.247	.219	.195	.211	.188	.168	.144	.130	.116	.083	.075	.067	.027	.024	.022	
2.0	.240	.196	.159	.205	.169	.138	.141	.117	.096	.081	.068	.056	.026	.022	.018	
3.0	.232	.179	.136	.199	.154	.118	.137	.107	.083	.079	.063	.049	.025	.020	.016	
4.0	.224	.166	.121	.192	.143	.105	.132	.100	.074	.077	.059	.044	.025	.019	.014	
5.0	.217	.156	.111	.186	.135	.096	.128	.094	.068	.074	.055	.040	.024	.018	.013	
6.0	.209	.148	.103	.180	.128	.090	.124	.090	.064	.072	.053	.038	.023	.017	.012	
7.0	.202	.141	.098	.174	.122	.085	.120	.086	.060	.070	.050	.036	.023	.017	.012	
8.0	.196	.135	.094	.169	.117	.082	.117	.082	.058	.068	.049	.035	.022	.016	.011	
9.0	.190	.130	.090	.163	.113	.079	.113	.080	.056	.066	.047	.033	.021	.015	.011	
10.0	.184	.126	.088	.158	.110	.077	.110	.077	.054	.064	.046	.032	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-01-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm											
NAME: ASD-LFMDR-12D20CC-NK						TYPE:			WEIGHT:		
SPEC.:5000K						DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp						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	16.8	18.2	18.6	16.3	17.8	16.7	18.1	18.5	
	3H	18.4	19.7	18.8	20.1	20.5	18.2	19.5	18.6	19.9	20.3
	4H	19.3	20.6	19.7	21.0	21.4	19.1	20.4	19.5	20.8	21.2
	6H	20.2	21.4	20.7	21.9	22.3	19.9	21.2	20.4	21.6	22.0
	8H	20.7	21.9	21.1	22.3	22.8	20.3	21.5	20.8	22.0	22.4
	12H	21.1	22.3	21.6	22.7	23.2	20.8	21.9	21.2	22.3	22.8
4H	2H	17.1	18.4	17.5	18.8	19.2	17.0	18.3	17.4	18.7	19.1
	3H	19.3	20.4	19.7	20.8	21.3	19.1	20.3	19.6	20.7	21.2
	4H	20.4	21.4	20.9	21.9	22.4	20.2	21.2	20.7	21.7	22.2
	6H	21.5	22.4	22.0	22.9	23.4	21.2	22.1	21.7	22.6	23.2
	8H	22.0	22.9	22.5	23.4	23.9	21.7	22.6	22.2	23.1	23.6
	12H	22.6	23.4	23.1	23.9	24.5	22.2	23.0	22.8	23.5	24.1
8H	4H	20.8	21.6	21.3	22.1	22.7	20.6	21.5	21.1	22.0	22.5
	6H	22.1	22.8	22.7	23.4	24.0	21.9	22.6	22.4	23.1	23.7
	8H	22.8	23.5	23.4	24.0	24.6	22.5	23.2	23.1	23.7	24.4
	12H	23.6	24.1	24.2	24.7	25.4	23.2	23.8	23.8	24.4	25.0
12H	4H	20.8	21.6	21.4	22.2	22.7	20.7	21.5	21.2	22.0	22.6
	6H	22.3	22.9	22.8	23.5	24.1	22.0	22.7	22.6	23.2	23.9
	8H	23.0	23.6	23.6	24.2	24.8	22.8	23.3	23.4	23.9	24.6
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	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 1474 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.3)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	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) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	50	39	32	26
0.80	62	49	42	61	49	41	58	48	41	33
1.00	70	58	50	68	57	50	66	58	49	41
1.25	77	65	58	75	64	57	72	62	56	47
1.50	82	71	63	80	70	62	76	67	61	52
2.00	89	79	72	87	78	71	82	75	69	59
2.50	94	85	78	91	83	76	86	79	74	63
3.00	97	89	83	94	87	81	89	83	78	67
4.00	102	95	89	99	92	87	93	88	84	72
5.00	104	98	93	101	96	91	95	91	87	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

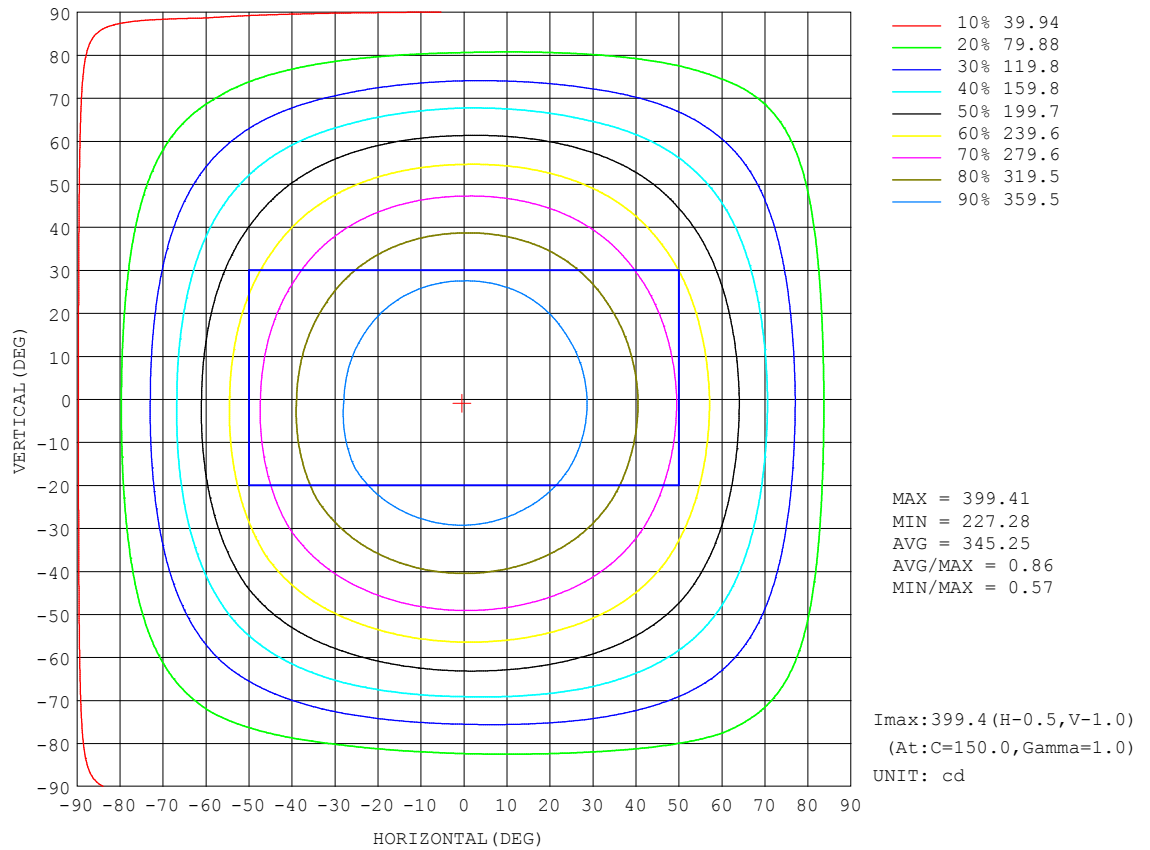
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



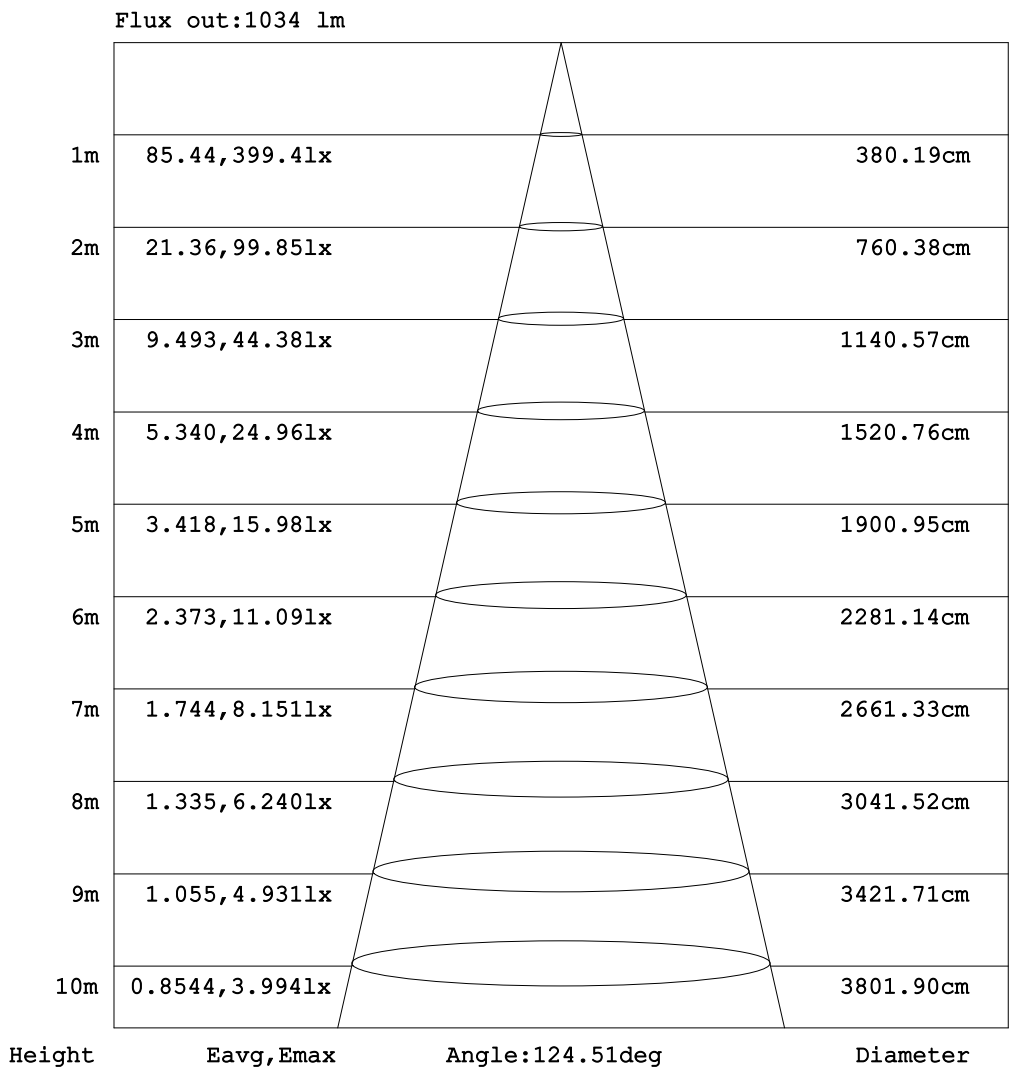
C Range: 0 - 360DEG
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Test Speed: HIGH
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



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

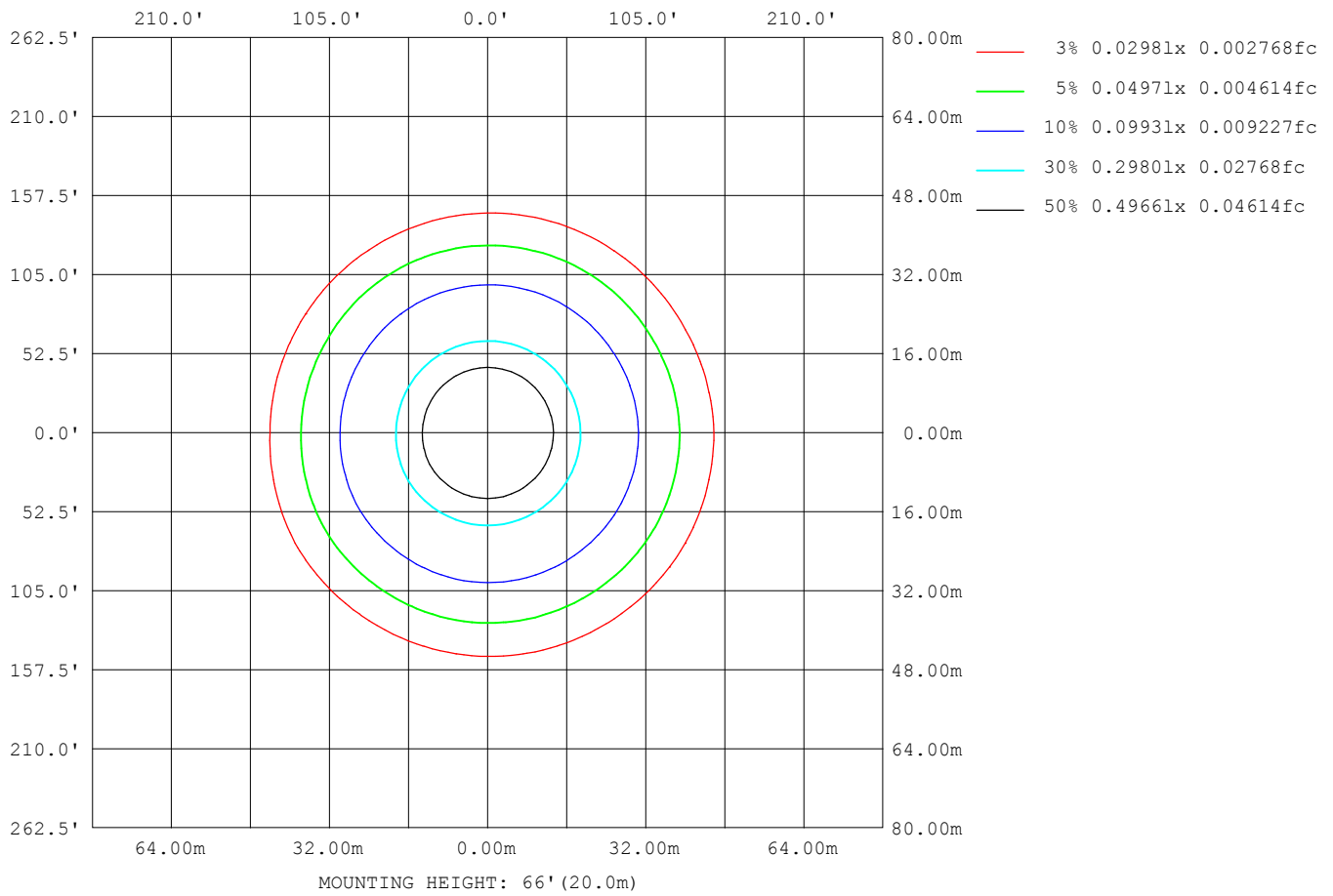
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

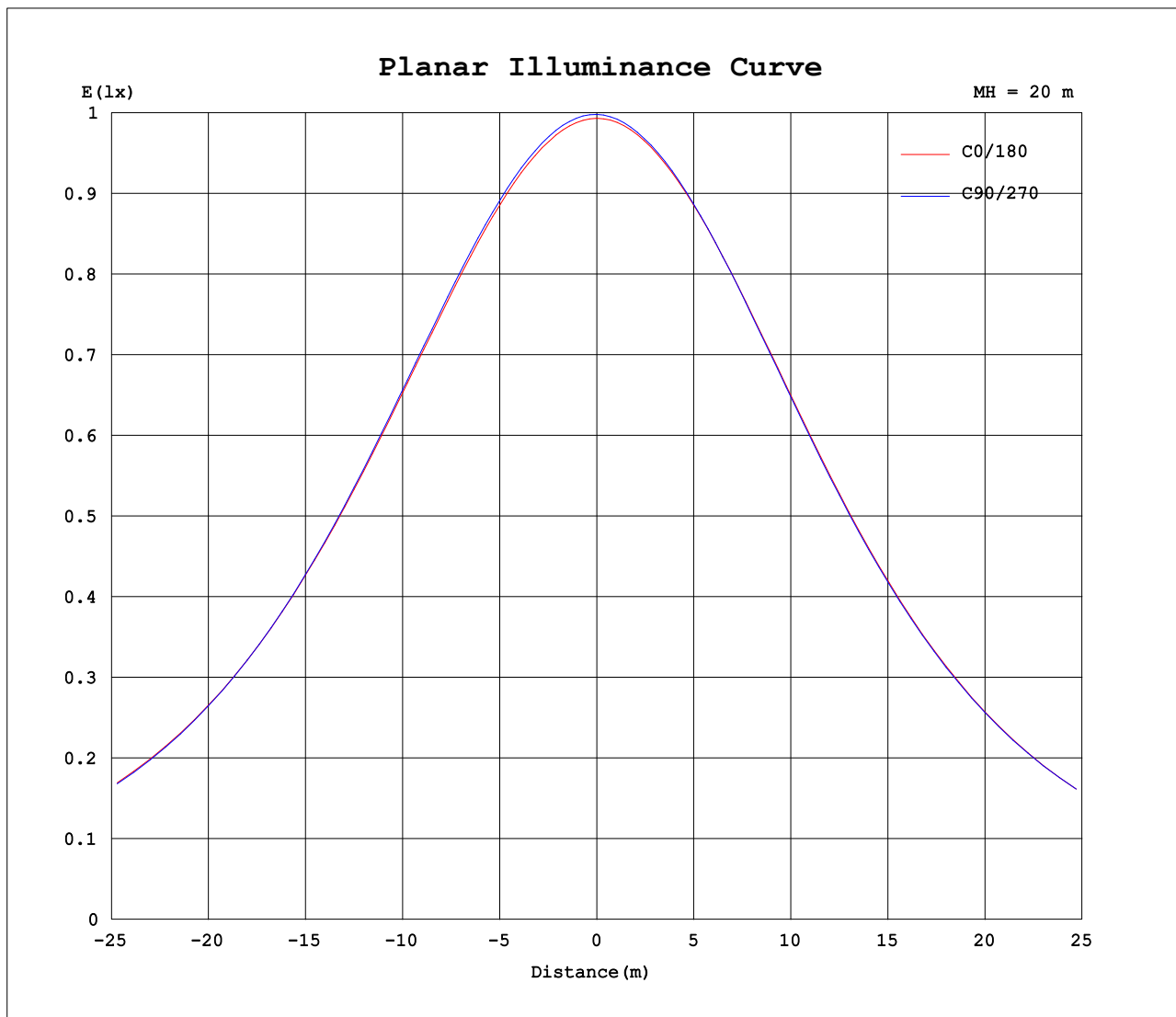
AvgL	cd/m2
L_0~180 (65) av	4354
L_0~180 (75) av	4643
L_0~180 (85) av	7346
L_90~270 (65) av	4315
L_90~270 (75) av	4572
L_90~270 (85) av	7126
L_45 (65) av	4332
L_45 (75) av	4596
L_45 (85) av	7223

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-01-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1720A P:19.500W PF:0.9400 Freq:60.00Hz Lamp Flux:1473.6x1 lm		
NAME: ASD-LFMDR-12D20CC-NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	399	399	399	399	399	399	399	399	399	399	399	399							
5	397	398	398	398	398	398	397	397	397	397	397	397							
10	394	394	394	394	395	395	394	394	393	393	393	393							
15	388	388	388	389	389	390	388	388	387	387	387	386							
20	380	380	380	381	381	382	380	379	378	378	378	378							
25	370	370	369	370	371	372	369	367	366	366	367	367							
30	357	357	356	357	357	358	354	352	352	351	352	353							
35	341	341	340	341	340	341	337	334	334	334	335	336							
40	323	323	321	321	321	322	316	313	313	313	315	317							
45	302	302	300	299	298	299	292	289	289	290	293	295							
50	278	278	276	275	273	273	266	263	263	265	268	270							
55	252	253	249	248	245	246	238	234	235	237	241	244							
60	224	225	221	219	216	216	207	203	205	207	211	215							
65	195	195	191	188	184	184	173	171	173	176	181	185							
70	164	162	160	154	152	148	139	139	140	145	148	154							
75	133	131	128	123	120	116	107	107	109	114	117	123							
80	102	101	98.1	93.1	89.0	86.0	78.4	77.0	80.2	82.8	87.5	93.3							
85	73.5	74.1	69.9	66.5	62.3	60.7	54.6	53.5	55.7	57.7	61.7	65.7							
90	50.7	51.3	48.2	45.7	43.2	43.0	39.3	38.5	39.3	40.0	42.1	44.9							
95	36.4	36.8	35.1	34.0	32.9	34.1	32.4	31.5	31.7	31.8	32.3	32.5							
100	28.3	29.0	28.0	27.4	26.7	28.8	28.0	26.7	26.7	27.2	27.2	25.4							
105	22.7	24.5	23.6	21.8	23.8	25.5	24.3	23.3	23.8	21.5	23.1	21.0							
110	21.2	23.5	22.7	21.3	23.1	24.3	21.3	21.9	22.3	20.0	21.2	20.1							
115	20.7	22.7	22.0	20.3	21.7	23.0	20.1	20.5	21.0	19.0	20.1	19.4							
120	19.1	21.1	20.6	18.8	20.1	21.2	18.7	18.7	19.5	17.6	18.7	18.1							
125	17.7	19.4	19.0	17.1	18.4	19.3	17.0	17.3	18.1	16.1	16.9	16.6							
130	16.1	17.7	17.2	15.0	16.3	17.5	15.3	15.5	16.6	13.7	15.5	14.9							
135	14.2	15.8	15.5	12.6	14.5	15.4	12.9	13.4	14.5	11.7	14.0	13.0							
140	11.8	13.5	13.5	10.6	12.5	13.3	10.6	11.5	12.6	9.74	12.7	11.7							
145	9.38	11.5	11.3	8.48	9.70	10.5	8.55	9.78	9.91	7.69	10.1	10.4							
150	8.83	9.55	9.23	7.86	7.86	8.54	8.29	8.31	7.90	7.38	8.12	8.80							
155	7.94	8.05	7.81	6.98	6.88	7.50	7.90	7.19	6.90	6.72	6.97	7.41							
160	6.61	7.32	6.86	6.43	6.36	7.11	6.43	6.44	6.23	6.28	6.33	6.93							
165	6.44	6.54	6.27	6.11	6.08	6.17	6.08	5.88	5.80	6.02	5.99	6.07							
170	5.97	5.97	5.99	5.96	5.87	5.81	5.97	5.79	5.78	5.84	5.76	5.87							
175	5.93	5.82	5.79	5.81	5.82	5.77	5.65	5.57	5.57	5.63	5.65	5.73							
180	5.60	5.54	5.52	5.55	5.53	5.53	5.60	5.54	5.52	5.55	5.53	5.53							

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C Interval: 30.0DEG
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