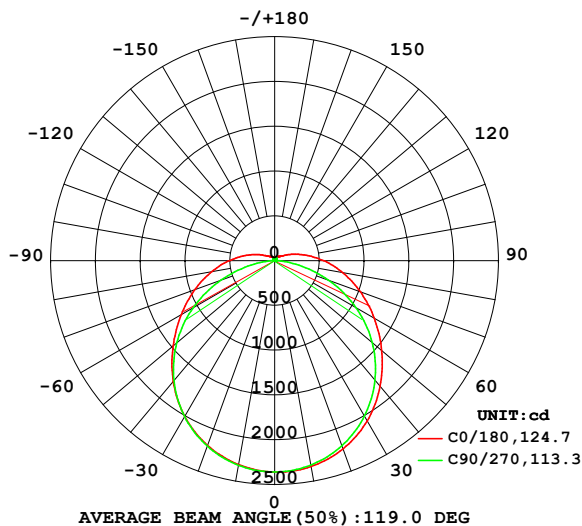


LUMINAIRE PHOTOMETRIC TEST REPORT

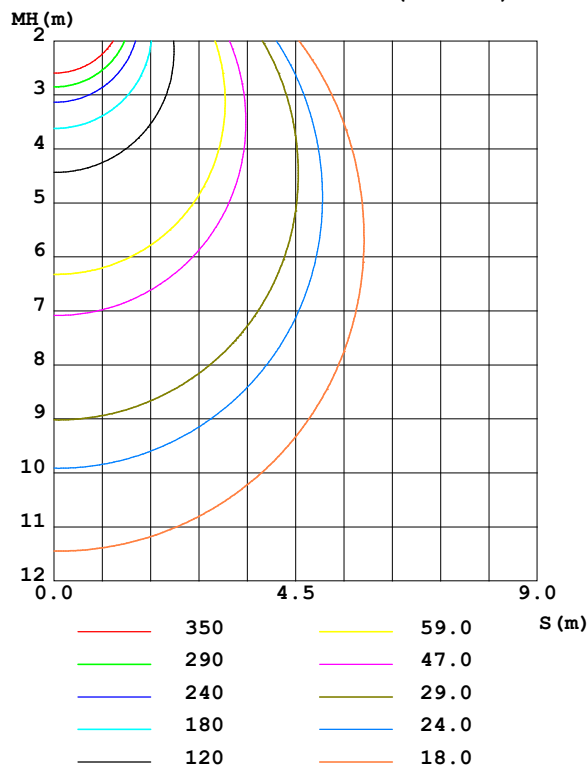
Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.2lx1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.81 lm/W
MODEL		I _{max} (cd)	2362	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	66	LOR(%)	100.0	S/MH(C90/270)	1.27	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	8224.2	η UP,DN(C0-180)	3.9,46.4	
NOMINAL FLUX(lm)	8224.21	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.8,46.0	
LAMPS INSIDE	1	η up (%)	7.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	240.3	η down (%)	92.3	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [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	2335	2328	2318	2315	2313	2316	2321	2331	0- 10	223.5	223.5	2.72,2.72
20	2235	2220	2198	2197	2194	2197	2203	2225	10- 20	642.2	865.7	10.5,10.5
30	2066	2037	2005	2008	2009	2006	2011	2046	20- 30	979.6	1845	22.4,22.4
40	1833	1790	1744	1756	1762	1750	1750	1802	30- 40	1193	3038	36.9,36.9
50	1561	1486	1423	1454	1480	1439	1427	1503	40- 50	1256	4294	52.2,52.2
60	1284	1149	1050	1135	1203	1097	1050	1186	50- 60	1172	5466	66.5,66.5
70	1019	824.7	640.8	840.3	947.7	773.3	636.3	885.9	60- 70	971.9	6437	78.3,78.3
80	770.5	539.8	242.0	583.8	714.2	498.0	233.8	617.2	70- 80	707.1	7144	86.9,86.9
90	546.9	313.6	19.82	374.1	506.5	288.4	17.60	390.7	80- 90	447.6	7592	92.3,92.3
100	358.1	158.9	12.30	217.4	335.3	148.2	11.33	222.3	90-100	262.3	7854	95.5,95.5
110	211.3	75.95	16.22	117.1	203.1	74.55	14.96	115.1	100-110	147.0	8001	97.3,97.3
120	112.9	52.10	20.21	67.74	112.3	49.88	18.69	65.43	110-120	79.85	8081	98.3,98.3
130	76.88	45.50	24.02	55.09	75.77	44.11	22.44	54.06	120-130	49.21	8130	98.9,98.9
140	61.47	40.20	27.64	47.95	60.67	40.61	26.23	46.86	130-140	36.06	8167	99.3,99.3
150	50.71	36.99	30.80	42.85	49.74	38.04	29.65	39.92	140-150	26.24	8193	99.6,99.6
160	42.27	35.52	33.43	38.69	41.96	35.50	32.42	36.74	150-160	17.78	8211	99.8,99.8
170	37.13	35.39	35.20	36.00	36.42	35.13	34.69	35.47	160-170	10.27	8221	100,100
180	36.39	35.74	35.84	35.85	36.36	35.74	35.86	35.85	170-180	3.402	8224	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3667.7 lm

%lum = 44.6%

%lamp = 44.6%

Conical surface Flux(120deg): 5465.6 lm

%lum = 66.5%

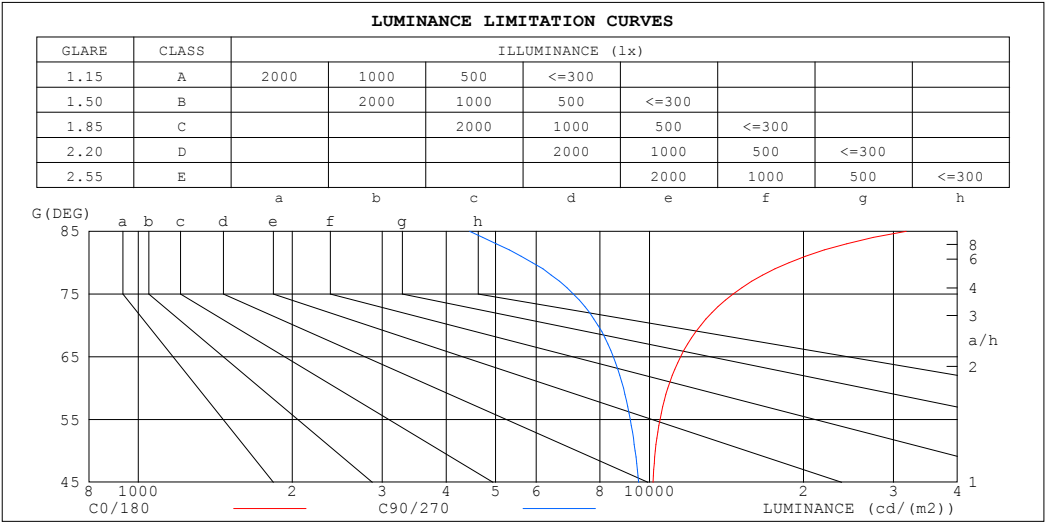
%lamp = 66.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-04-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.21x1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	31770	4447
80	18757	5900
75	14566	7098
70	12592	7932
65	11499	8494
60	10859	8892
55	10479	9169
50	10263	9372
45	10160	9523

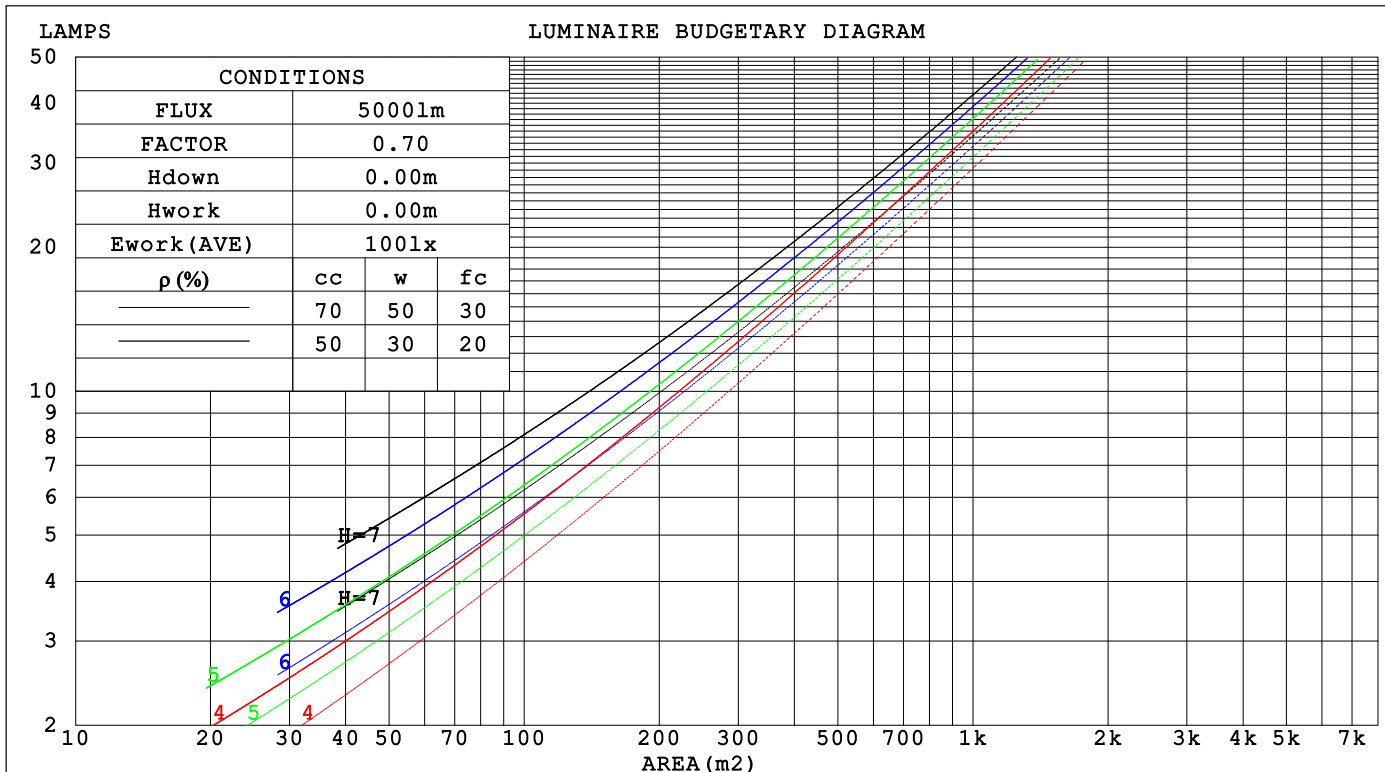
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.21x1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	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	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92
1.0	.00	.95	.90	.97	.92	.88	.91	.87	.84	.86	.83	.80	.81	.78	.76	.73
2.0	.86	.78	.72	.83	.76	.71	.78	.73	.68	.74	.69	.65	.70	.66	.63	.60
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.45	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.39	.36
6.0	.53	.44	.37	.51	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.31	.42	.36	.31	.40	.34	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.41	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.28	.23	.33	.27	.22	.32	.26	.22	.20



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.21x1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	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	.356	.203	.064	.347	.198	.063	.329	.189	.060	.313	.180	.058	.298	.172	.056		
2.0	.318	.174	.053	.309	.170	.052	.293	.163	.051	.278	.156	.049	.265	.150	.047		
3.0	.286	.152	.046	.279	.149	.045	.264	.143	.044	.251	.138	.042	.239	.132	.041		
4.0	.260	.135	.040	.253	.133	.039	.241	.128	.038	.229	.123	.037	.217	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.210	.111	.033	.200	.107	.032		
6.0	.219	.110	.031	.214	.108	.031	.203	.104	.030	.193	.101	.030	.184	.097	.029		
7.0	.203	.100	.028	.198	.099	.028	.188	.095	.027	.180	.092	.027	.171	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.176	.088	.025	.168	.085	.024	.160	.082	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.165	.079	.022	.162	.078	.022	.154	.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	.249	.249	.249	.213	.213	.213	.145	.145	.145	.083	.083	.083	.027	.027	.027		
1.0	.243	.215	.190	.208	.184	.163	.142	.127	.113	.082	.073	.066	.026	.024	.021		
2.0	.235	.191	.154	.201	.165	.133	.138	.114	.093	.080	.066	.055	.026	.021	.018		
3.0	.227	.174	.132	.195	.150	.114	.134	.104	.080	.077	.061	.047	.025	.020	.015		
4.0	.220	.161	.117	.188	.139	.101	.130	.097	.071	.075	.057	.042	.024	.019	.014		
5.0	.212	.151	.106	.182	.131	.092	.125	.091	.065	.073	.054	.039	.023	.018	.013		
6.0	.205	.143	.099	.176	.124	.086	.121	.087	.061	.070	.051	.036	.023	.017	.012		
7.0	.198	.136	.093	.170	.118	.081	.117	.083	.058	.068	.049	.034	.022	.016	.011		
8.0	.191	.130	.089	.164	.113	.078	.114	.079	.055	.066	.047	.033	.021	.015	.011		
9.0	.185	.126	.086	.159	.109	.075	.110	.077	.053	.064	.045	.032	.021	.015	.010		
10.0	.179	.121	.083	.154	.105	.073	.107	.074	.052	.062	.044	.031	.020	.014	.010		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.2lx1 lm										
NAME: LED445-W46 (70W 350mA 6000K)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.236350			SERIAL No.: 1		
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	20.7	22.2	21.1	22.5	22.9	19.9	21.4	20.3	21.7	22.1
3H	22.9	24.3	23.3	24.6	25.0	21.4	22.8	21.8	23.1	23.5
4H	24.1	25.4	24.5	25.8	26.2	22.0	23.3	22.4	23.6	24.1
6H	25.4	26.6	25.8	27.0	27.5	22.3	23.5	22.8	24.0	24.4
8H	26.1	27.3	26.5	27.7	28.2	22.4	23.6	22.9	24.0	24.5
12H	26.9	28.0	27.4	28.5	28.9	22.5	23.6	22.9	24.0	24.5
4H 2H	21.3	22.6	21.7	23.0	23.4	20.7	22.0	21.1	22.4	22.8
3H	23.7	24.8	24.2	25.3	25.7	22.4	23.5	22.8	23.9	24.4
4H	25.1	26.1	25.6	26.6	27.1	23.1	24.1	23.5	24.6	25.1
6H	26.6	27.5	27.1	28.0	28.5	23.6	24.5	24.1	25.0	25.5
8H	27.4	28.3	27.9	28.8	29.3	23.7	24.6	24.2	25.1	25.6
12H	28.3	29.2	28.9	29.7	30.2	23.8	24.6	24.4	25.1	25.7
8H 4H	25.4	26.2	25.9	26.8	27.3	23.7	24.5	24.2	25.0	25.6
6H	27.1	27.9	27.7	28.4	29.0	24.4	25.1	25.0	25.7	26.3
8H	28.2	28.8	28.7	29.4	30.0	24.7	25.4	25.3	25.9	26.5
12H	29.4	29.9	30.0	30.5	31.2	24.9	25.5	25.5	26.1	26.7
12H 4H	25.4	26.2	25.9	26.7	27.3	23.8	24.6	24.4	25.2	25.7
6H	27.2	27.9	27.8	28.4	29.1	24.7	25.4	25.3	26.0	26.6
8H	28.4	28.9	28.9	29.5	30.1	25.1	25.7	25.7	26.3	26.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 8224 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 7.3)
Area: 0.23635 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.2lx1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

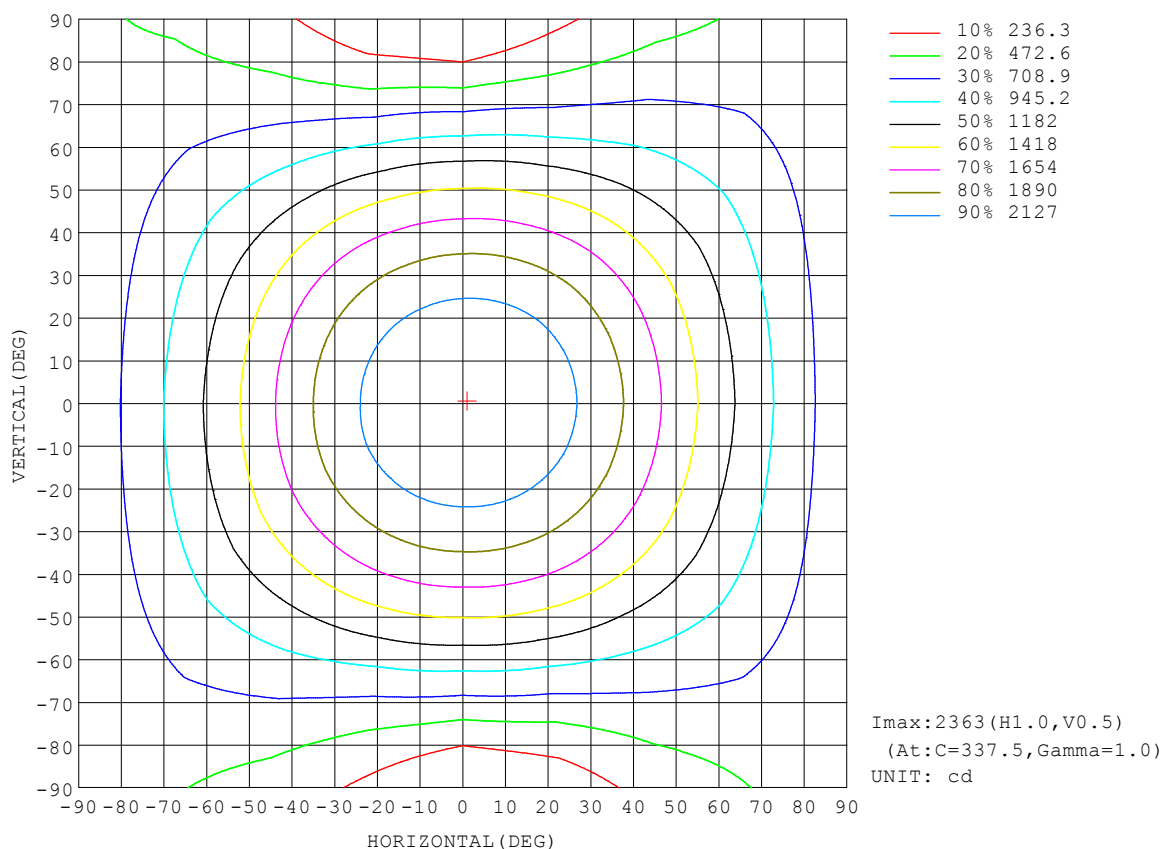
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	41	34	51	40	33	27
0.80	62	50	42	61	50	42	59	48	42	34
1.00	70	58	50	69	58	50	66	59	49	41
1.25	77	66	58	76	65	57	72	63	56	48
1.50	82	71	63	80	70	63	77	68	61	52
2.00	89	80	72	87	78	71	83	75	69	60
2.50	94	84	77	91	83	76	86	79	74	64
3.00	97	89	82	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		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.2lx1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

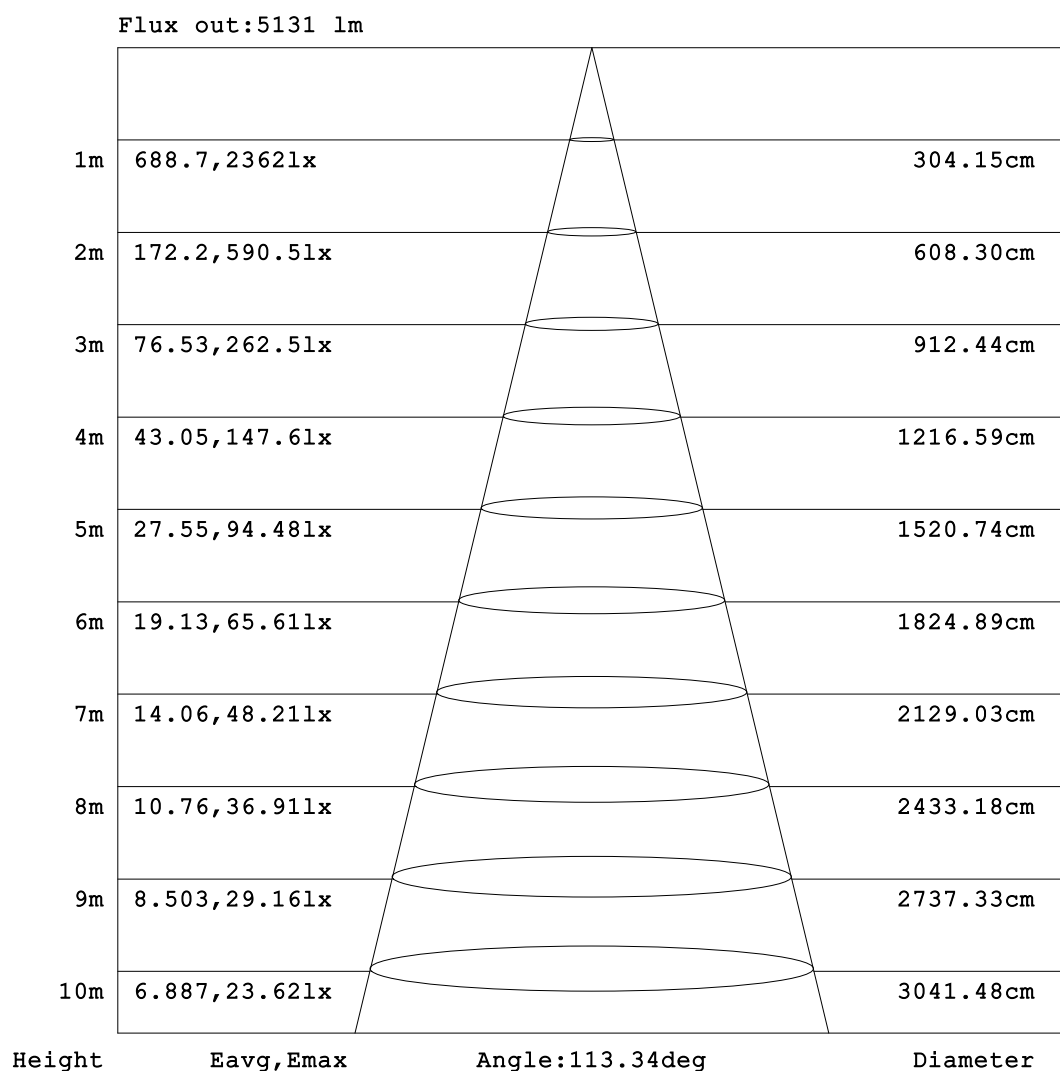


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.2lx1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



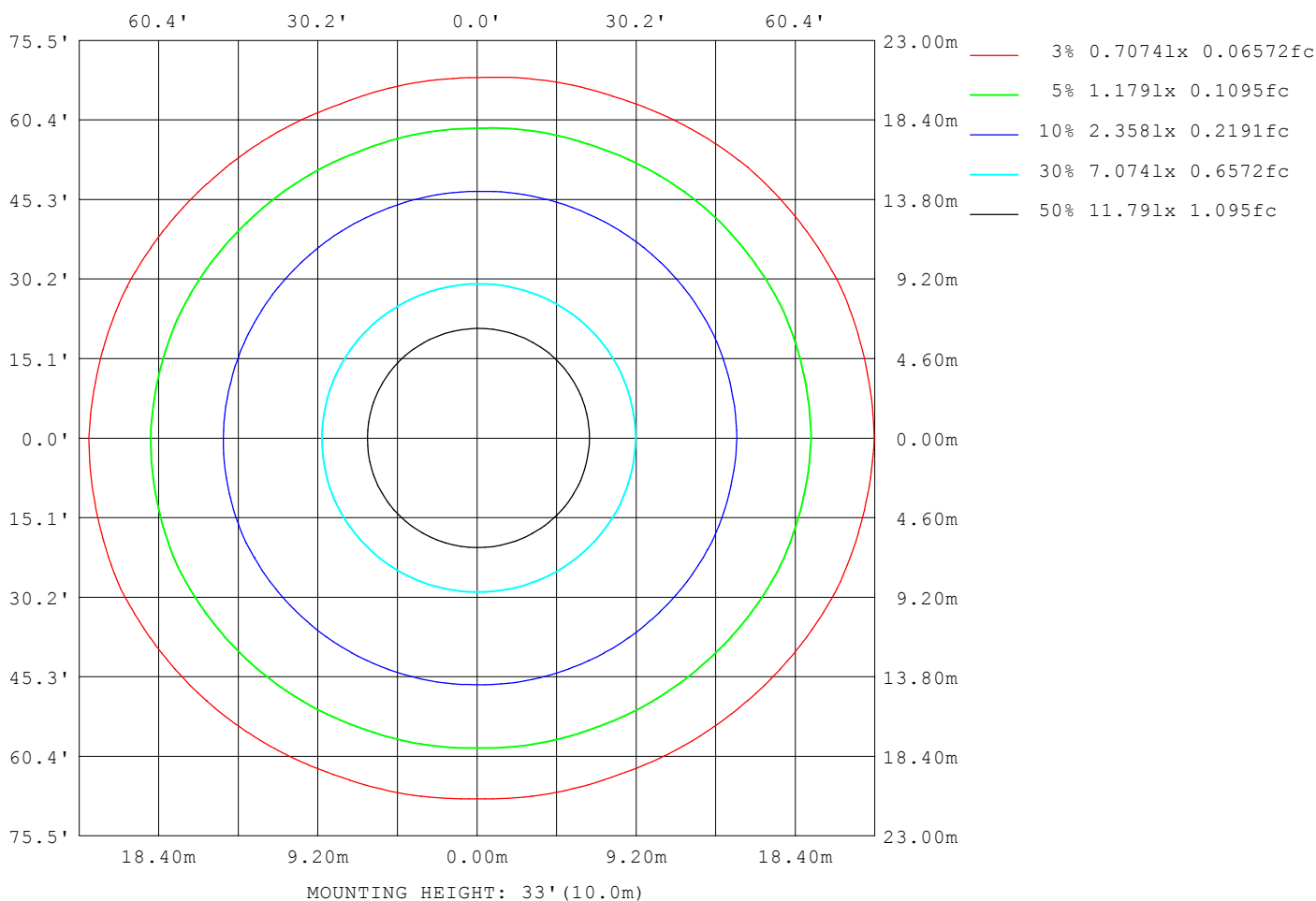
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.21x1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.21x1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

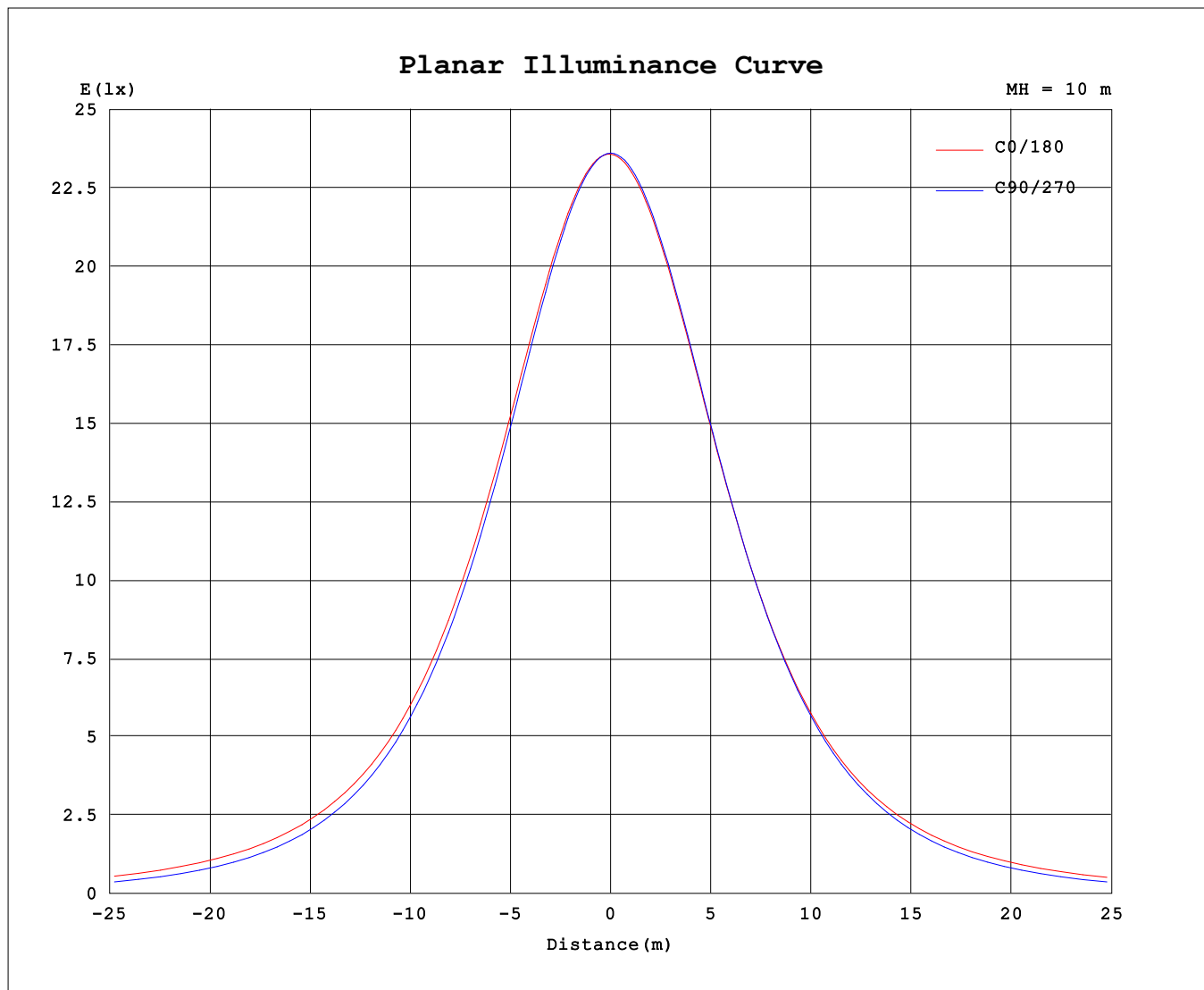
AvgL	cd/m2
L_0~180 (65) av	11125
L_0~180 (75) av	14054
L_0~180 (85) av	30648
L_90~270 (65) av	8476
L_90~270 (75) av	7023
L_90~270 (85) av	4290
L_45 (65) av	9831
L_45 (75) av	11276
L_45 (85) av	21500

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-04-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.32V I:0.2898A P:65.891W PF:0.9871 Freq:50.00Hz Lamp Flux:8224.21x1 lm		
NAME: LED445-W46 (70W 350mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.236350	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

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	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360	2360			
5	2357	2357	2353	2352	2348	2348	2347	2347	2345	2347	2348	2349	2350	2353	2355	2357			
10	2335	2334	2328	2324	2318	2317	2315	2315	2313	2315	2316	2318	2321	2325	2331	2334			
15	2294	2293	2283	2275	2267	2266	2265	2266	2263	2264	2266	2267	2272	2279	2288	2292			
20	2235	2232	2220	2207	2198	2197	2197	2199	2194	2196	2197	2198	2203	2213	2225	2231			
25	2160	2154	2138	2122	2110	2109	2111	2115	2110	2111	2110	2110	2116	2129	2145	2153			
30	2066	2058	2037	2019	2005	2005	2008	2014	2009	2008	2006	2004	2011	2026	2046	2058			
35	1957	1946	1922	1898	1882	1883	1890	1898	1892	1890	1886	1881	1889	1908	1932	1947			
40	1833	1820	1790	1762	1744	1747	1756	1768	1762	1758	1750	1743	1750	1771	1802	1821			
45	1700	1681	1644	1612	1590	1596	1610	1628	1623	1614	1600	1589	1596	1622	1658	1684			
50	1561	1534	1486	1446	1423	1433	1454	1482	1480	1463	1439	1421	1427	1457	1503	1543			
55	1422	1385	1319	1269	1242	1257	1293	1337	1340	1311	1269	1241	1244	1282	1344	1400			
60	1284	1238	1149	1081	1050	1075	1135	1197	1203	1165	1097	1050	1050	1099	1186	1259			
65	1150	1095	983	886	848	890	983	1063	1073	1024	930	852	846	913	1033	1121			
70	1019	957	825	689	641	712	840	935	948	891	773	653	636	734	886	988			
75	892	825	676	498	434	547	707	813	828	765	630	464	425	568	747	859			
80	771	700	540	334	242	405	584	697	714	647	498	303	234	421	617	737			
85	655	584	418	201	91.5	286	473	590	608	538	385	178	85.2	295	496	621			
90	547	473	314	108	19.8	192	374	488	506	439	288	94.7	17.6	196	391	513			
95	448	377	227	54.6	10.8	124	289	399	416	351	210	48.0	9.93	124	299	416			
100	358	293	159	31.5	12.3	78.6	217	318	335	273	148	28.7	11.3	76.6	222	328			
105	278	221	109	26.4	14.2	53.1	160	248	264	209	104	24.4	13.1	51.1	161	252			
110	211	163	75.9	26.0	16.2	42.0	117	190	203	156	74.6	24.0	15.0	41.0	115	189			
115	158	119	57.2	26.4	18.2	38.1	82.6	142	154	112	56.4	24.3	16.8	37.6	79.6	140			
120	113	87.3	52.1	26.8	20.2	36.3	67.7	104	112	85.8	49.9	24.8	18.7	35.6	65.4	99.9			
125	89.3	73.0	48.8	27.6	22.2	35.7	59.8	83.0	89.0	71.6	46.7	25.9	20.6	34.7	58.8	78.8			
130	76.9	65.0	45.5	28.3	24.0	35.5	55.1	71.8	75.8	63.4	44.1	26.9	22.4	34.3	54.1	66.5			
135	68.5	59.2	43.2	29.0	25.9	35.4	51.2	64.5	67.4	57.9	42.1	28.0	24.3	33.2	50.0	63.0			
140	61.5	53.9	40.2	29.6	27.6	35.3	47.9	58.5	60.7	53.1	40.6	28.5	26.2	32.8	46.9	57.3			
145	55.6	50.1	38.1	30.5	29.3	35.0	45.2	53.3	54.7	49.0	39.3	29.7	28.0	32.6	43.5	52.4			
150	50.7	46.6	37.0	31.6	30.8	34.8	42.8	48.9	49.7	45.6	38.0	30.8	29.6	32.6	39.9	48.1			
155	46.2	42.0	36.2	32.6	32.2	34.6	40.7	45.2	45.6	42.6	36.7	31.8	31.1	32.8	38.1	44.2			
160	42.3	38.7	35.5	33.4	33.4	34.8	38.7	41.9	42.0	39.9	35.5	32.7	32.4	33.5	36.7	40.4			
165	39.3	37.1	35.5	34.2	34.4	34.9	36.8	39.0	38.9	37.1	35.1	33.8	33.6	34.1	35.6	38.1			
170	37.1	36.2	35.4	35.0	35.2	35.2	36.0	36.6	36.4	36.0	35.1	34.7	34.7	34.6	35.5	36.3			
175	36.4	35.7	35.5	35.6	35.7	35.7	35.7	35.8	35.9	35.5	35.5	35.4	35.5	35.4	35.6	35.9			
180	36.4	35.7	35.7	35.7	35.8	35.7	35.9	35.9	36.4	35.7	35.7	35.7	35.9	35.8	35.9	35.9			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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Operators:DAMIN
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