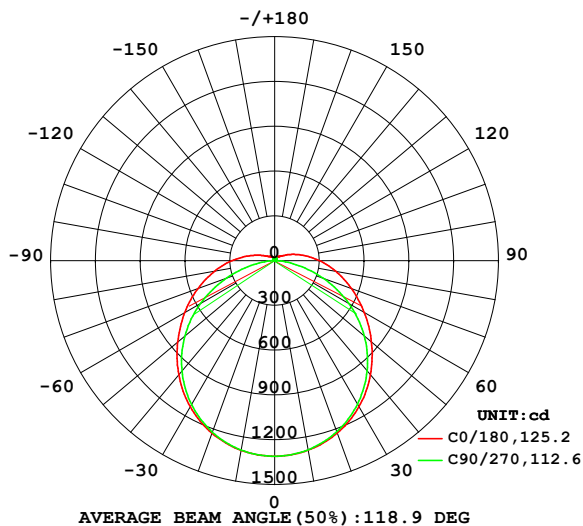


LUMINAIRE PHOTOMETRIC TEST REPORT

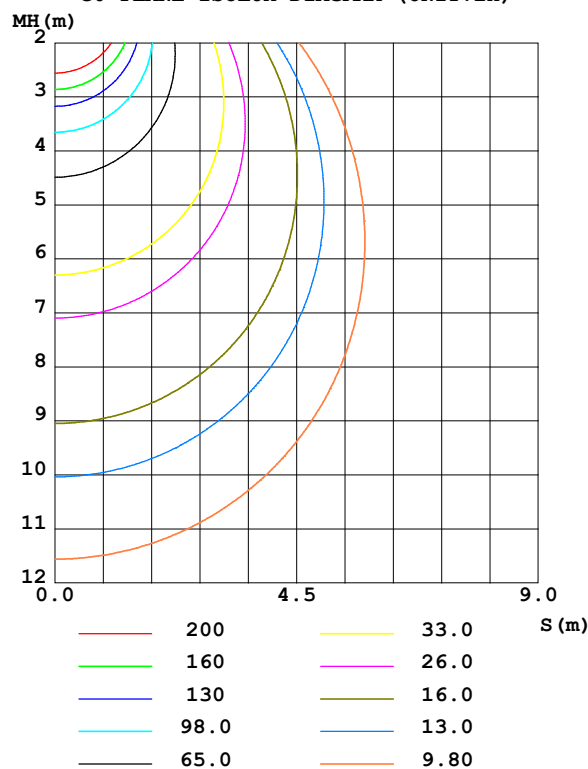
Test:U:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.63 lm/W			
MODEL		I _{max} (cd)	1311	S/MH(C0/180)	1.28
NOMINAL POWER(W)	35.1	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4566.5	η UP,DN(C0-180)	4.0,46.1
NOMINAL FLUX(lm)	4566.52	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.9,46.0
LAMPS INSIDE	1	η up (%)	7.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down (%)	92.1	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:2024-04-10

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	1290	1288	1287	1289	1291	1290	1289	1289	0- 10	124.1	124.1	2.72,2.72
20	1229	1224	1219	1226	1230	1227	1223	1225	10- 20	356.4	480.5	10.5,10.5
30	1131	1120	1111	1123	1131	1124	1114	1121	20- 30	543.2	1024	22.4,22.4
40	998.9	980.6	964.0	984.0	999.2	983.9	966.7	981.8	30- 40	660.9	1685	36.9,36.9
50	847.0	813.6	783.7	817.1	848.1	815.4	785.2	813.9	40- 50	695.8	2380	52.1,52.1
60	692.6	632.9	574.5	638.2	695.5	634.2	573.0	633.4	50- 60	649.5	3030	66.4,66.4
70	548.3	459.0	346.8	466.5	545.2	458.4	342.7	459.4	60- 70	537.9	3568	78.1,78.1
80	416.6	310.0	128.4	313.4	408.3	305.1	124.1	313.4	70- 80	390.8	3959	86.7,86.7
90	300.4	193.4	5.552	188.4	285.9	180.7	5.187	196.3	80- 90	247.5	4206	92.1,92.1
100	202.3	109.6	6.479	99.72	183.3	93.38	5.517	111.9	90-100	145.4	4352	95.3,95.3
110	125.4	59.21	8.954	52.45	107.5	49.59	7.972	61.17	100-110	82.42	4434	97.1,97.1
120	70.37	36.00	11.51	34.81	61.31	33.61	10.30	36.10	110-120	46.57	4481	98.1,98.1
130	47.11	29.96	13.96	30.86	44.55	29.46	12.65	30.48	120-130	29.49	4510	98.8,98.8
140	36.63	26.42	16.24	28.35	36.46	27.05	15.04	26.00	130-140	21.78	4532	99.2,99.2
150	29.82	22.72	18.22	25.67	30.94	24.45	17.03	22.51	140-150	15.85	4548	99.6,99.6
160	24.85	21.34	19.93	23.44	25.95	22.04	19.54	20.46	150-160	10.70	4558	99.8,99.8
170	21.48	20.86	21.10	21.93	22.31	21.44	20.90	20.98	160-170	6.151	4564	100,100
180	21.65	21.35	21.47	21.58	21.73	21.38	21.49	21.49	170-180	2.034	4567	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2033.5 lm

%lum = 44.5%

%lamp = 44.5%

Conical surface Flux(120deg): 3029.9 lm

%lum = 66.4%

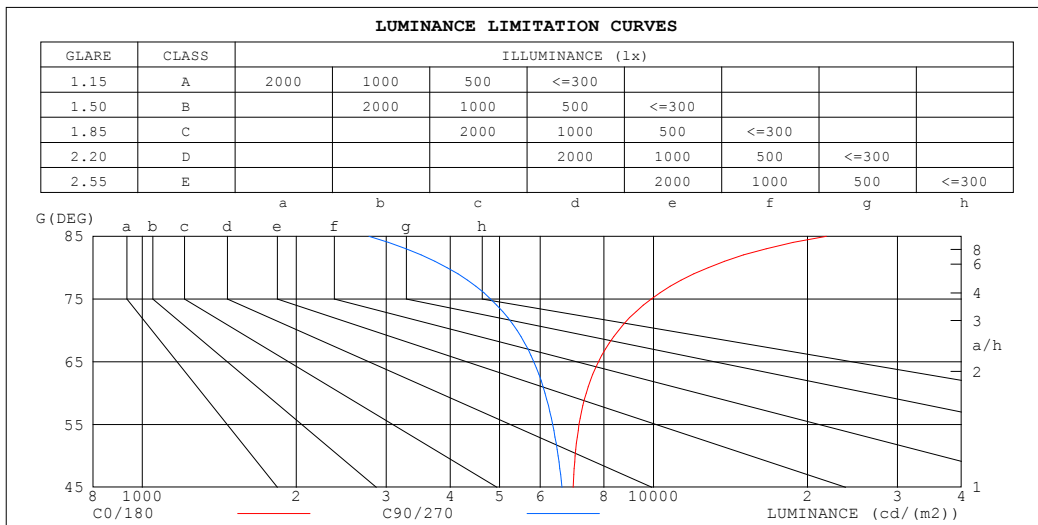
%lamp = 66.4%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21785	2773
80	12786	3945
75	9898	4798
70	8544	5410
65	7802	5827
60	7383	6131
55	7150	6348
50	7023	6505
45	6966	6623

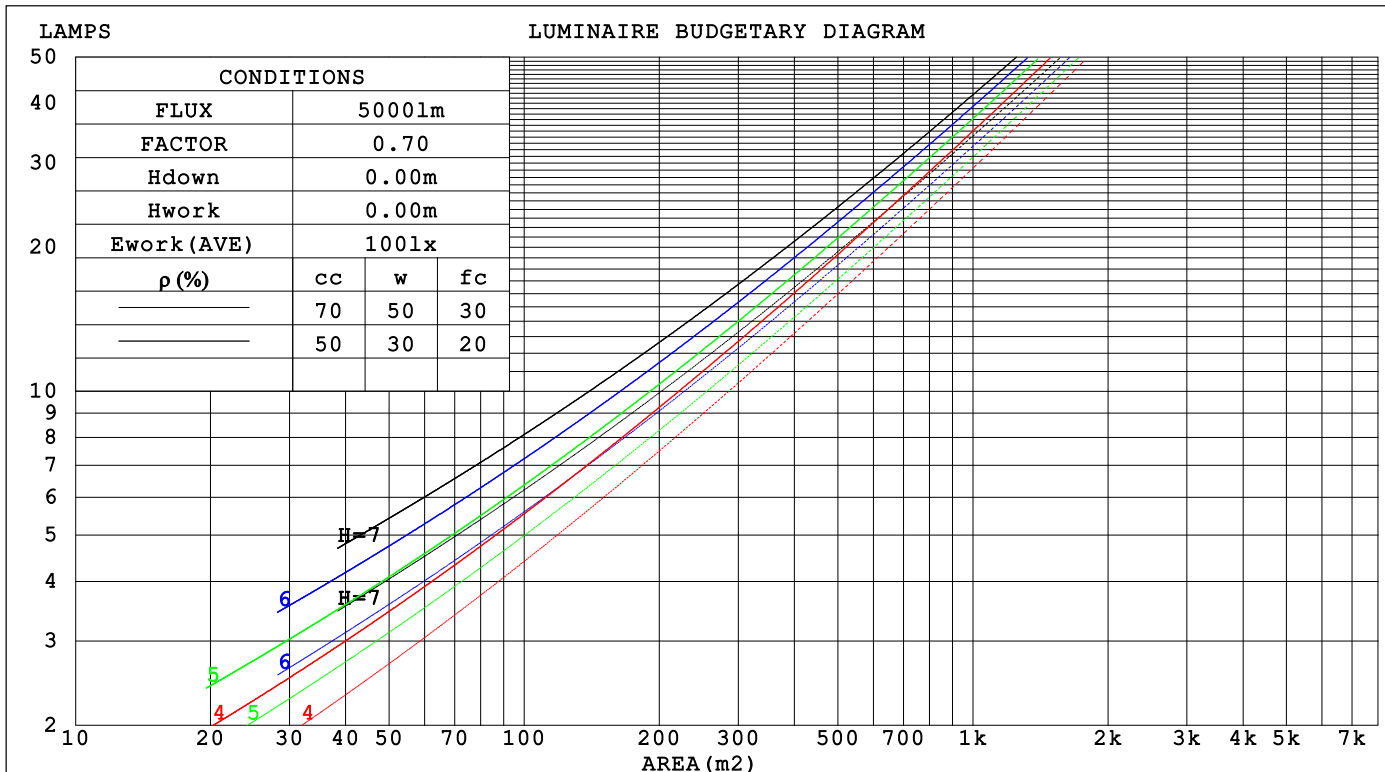
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ 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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	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	.96	.92	.88	.91	.87	.84	.85	.82	.80	.81	.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	.69	.62	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.47	.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	.27	.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:2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	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	.202	.064	.346	.198	.063	.328	.188	.060	.312	.180	.058	.297	.172	.055		
2.0	.317	.174	.053	.309	.170	.052	.293	.163	.051	.278	.156	.049	.264	.149	.047		
3.0	.286	.152	.046	.278	.149	.045	.264	.143	.043	.251	.137	.042	.238	.132	.041		
4.0	.260	.135	.040	.253	.132	.039	.240	.127	.038	.228	.122	.037	.217	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.209	.110	.033	.199	.106	.032		
6.0	.219	.110	.031	.213	.108	.031	.203	.104	.030	.193	.100	.029	.184	.097	.029		
7.0	.203	.100	.028	.198	.098	.028	.188	.095	.027	.179	.092	.027	.171	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.088	.025	.167	.085	.024	.160	.082	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.022	.150	.076	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.147	.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	.251	.251	.251	.214	.214	.214	.146	.146	.146	.084	.084	.084	.027	.027	.027		
1.0	.244	.216	.191	.209	.186	.165	.143	.128	.114	.082	.074	.066	.026	.024	.021		
2.0	.237	.193	.156	.203	.166	.135	.139	.115	.094	.080	.067	.055	.026	.022	.018		
3.0	.229	.176	.133	.196	.152	.116	.135	.105	.081	.078	.062	.048	.025	.020	.016		
4.0	.221	.163	.118	.190	.141	.103	.130	.098	.072	.075	.057	.043	.024	.019	.014		
5.0	.213	.153	.108	.183	.132	.094	.126	.092	.066	.073	.054	.039	.024	.018	.013		
6.0	.206	.145	.100	.177	.125	.087	.122	.088	.062	.071	.052	.037	.023	.017	.012		
7.0	.199	.138	.095	.171	.119	.083	.118	.084	.059	.069	.049	.035	.022	.016	.012		
8.0	.192	.132	.091	.166	.115	.079	.115	.080	.056	.067	.047	.033	.022	.016	.011		
9.0	.186	.127	.087	.160	.110	.076	.111	.078	.054	.065	.046	.032	.021	.015	.011		
10.0	.180	.123	.085	.156	.107	.074	.108	.075	.053	.063	.044	.031	.020	.015	.010		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm										
NAME: LED444-W46 (36W 250mA 6000K)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.187450			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	19.3	20.8	19.7	21.1	21.5	18.6	20.1	19.0	20.4	20.8
3H	21.5	22.9	21.9	23.2	23.6	20.1	21.4	20.5	21.8	22.2
4H	22.7	24.0	23.1	24.4	24.8	20.6	21.9	21.1	22.3	22.7
6H	24.0	25.2	24.4	25.6	26.1	21.0	22.2	21.5	22.6	23.1
8H	24.7	25.9	25.2	26.3	26.8	21.1	22.3	21.6	22.7	23.2
12H	25.5	26.6	26.0	27.1	27.6	21.1	22.3	21.6	22.7	23.2
4H 2H	19.9	21.2	20.3	21.6	22.0	19.4	20.6	19.8	21.0	21.5
3H	22.3	23.5	22.8	23.9	24.4	21.1	22.2	21.5	22.6	23.1
4H	23.7	24.7	24.2	25.2	25.7	21.8	22.8	22.3	23.3	23.8
6H	25.2	26.1	25.7	26.6	27.2	22.3	23.2	22.8	23.7	24.3
8H	26.0	26.9	26.6	27.4	28.0	22.5	23.3	23.0	23.9	24.4
12H	27.0	27.8	27.5	28.3	28.9	22.6	23.4	23.1	23.9	24.5
8H 4H	24.0	24.9	24.6	25.4	26.0	22.4	23.3	22.9	23.8	24.3
6H	25.8	26.5	26.4	27.1	27.7	23.2	24.0	23.8	24.5	25.1
8H	26.8	27.5	27.4	28.1	28.7	23.5	24.2	24.1	24.8	25.4
12H	28.1	28.6	28.6	29.2	29.8	23.8	24.4	24.4	24.9	25.6
12H 4H	24.0	24.9	24.6	25.4	26.0	22.6	23.4	23.1	23.9	24.5
6H	25.9	26.6	26.5	27.1	27.8	23.6	24.2	24.1	24.8	25.4
8H	27.1	27.6	27.6	28.2	28.8	24.0	24.6	24.6	25.2	25.8
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, 4567 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.3)
Area: 0.18745 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

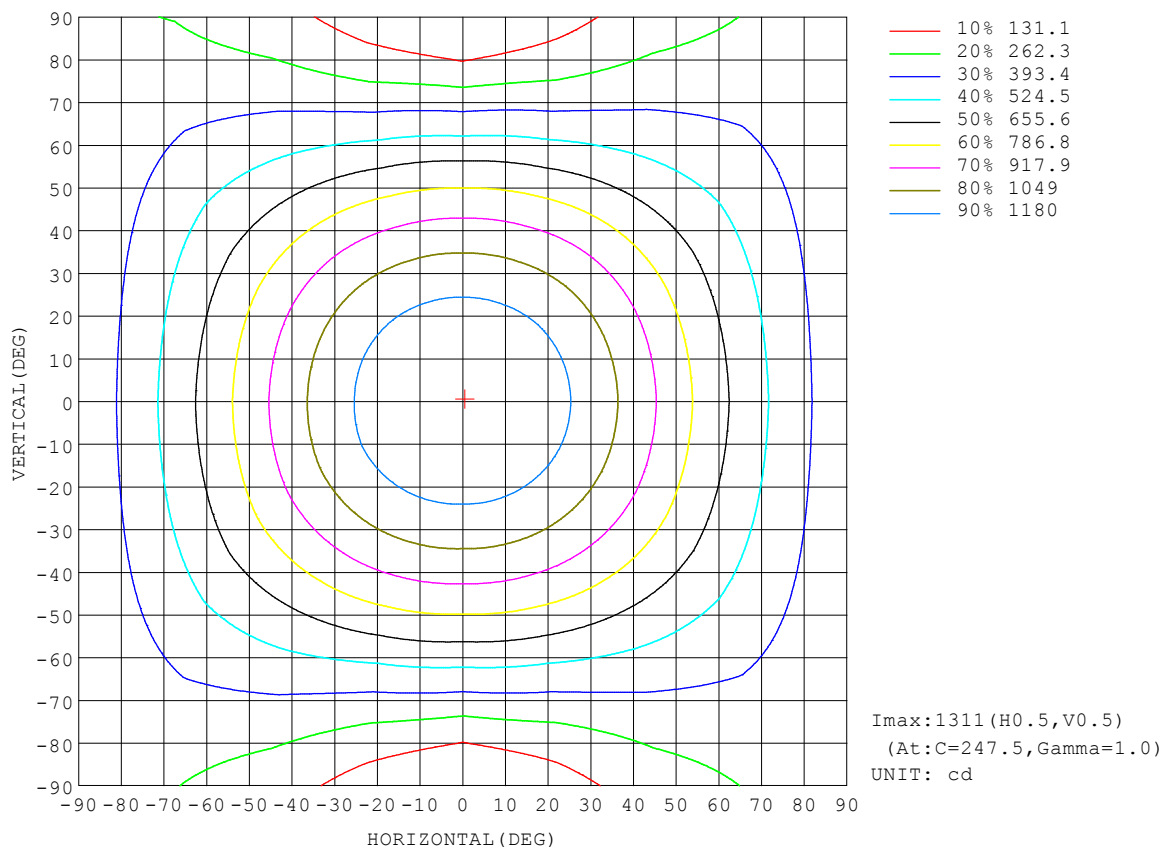
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	40	34	50	40	33	27
0.80	62	50	42	61	49	42	59	48	41	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	76	68	61	52
2.00	89	79	72	87	78	71	83	75	69	59
2.50	94	84	77	91	83	76	86	79	74	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	102	95	89	98	92	87	93	88	83	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: 2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

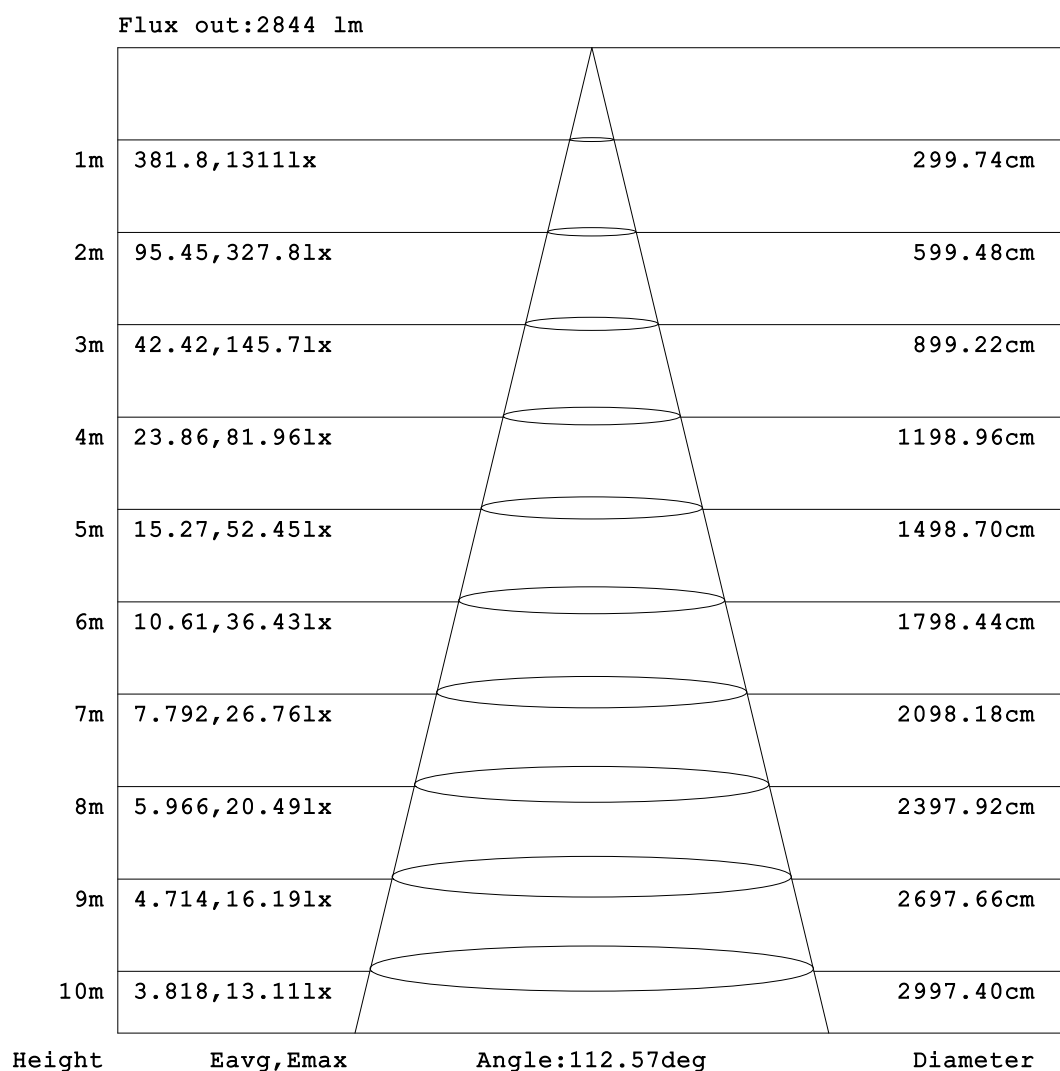


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



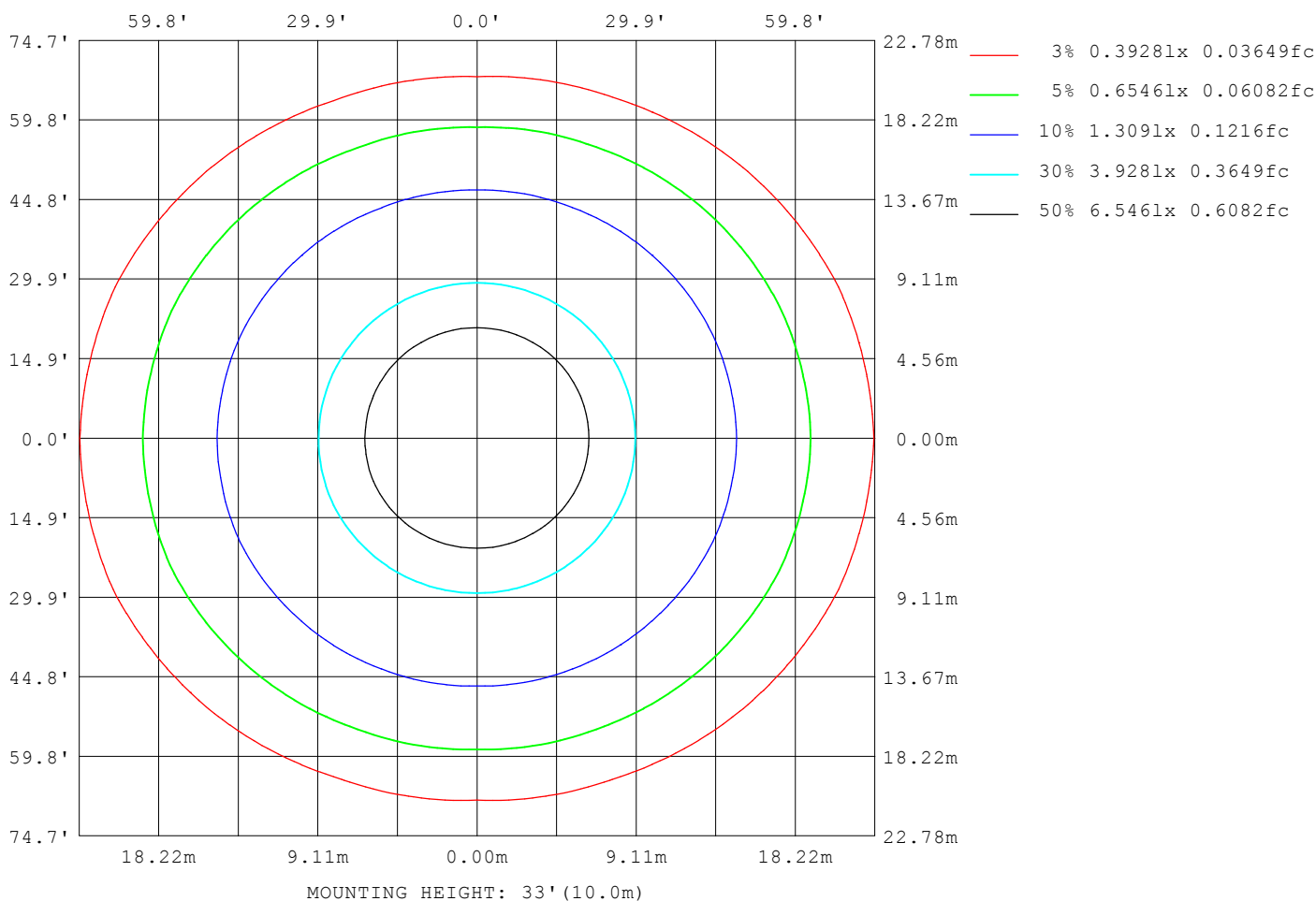
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	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:2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

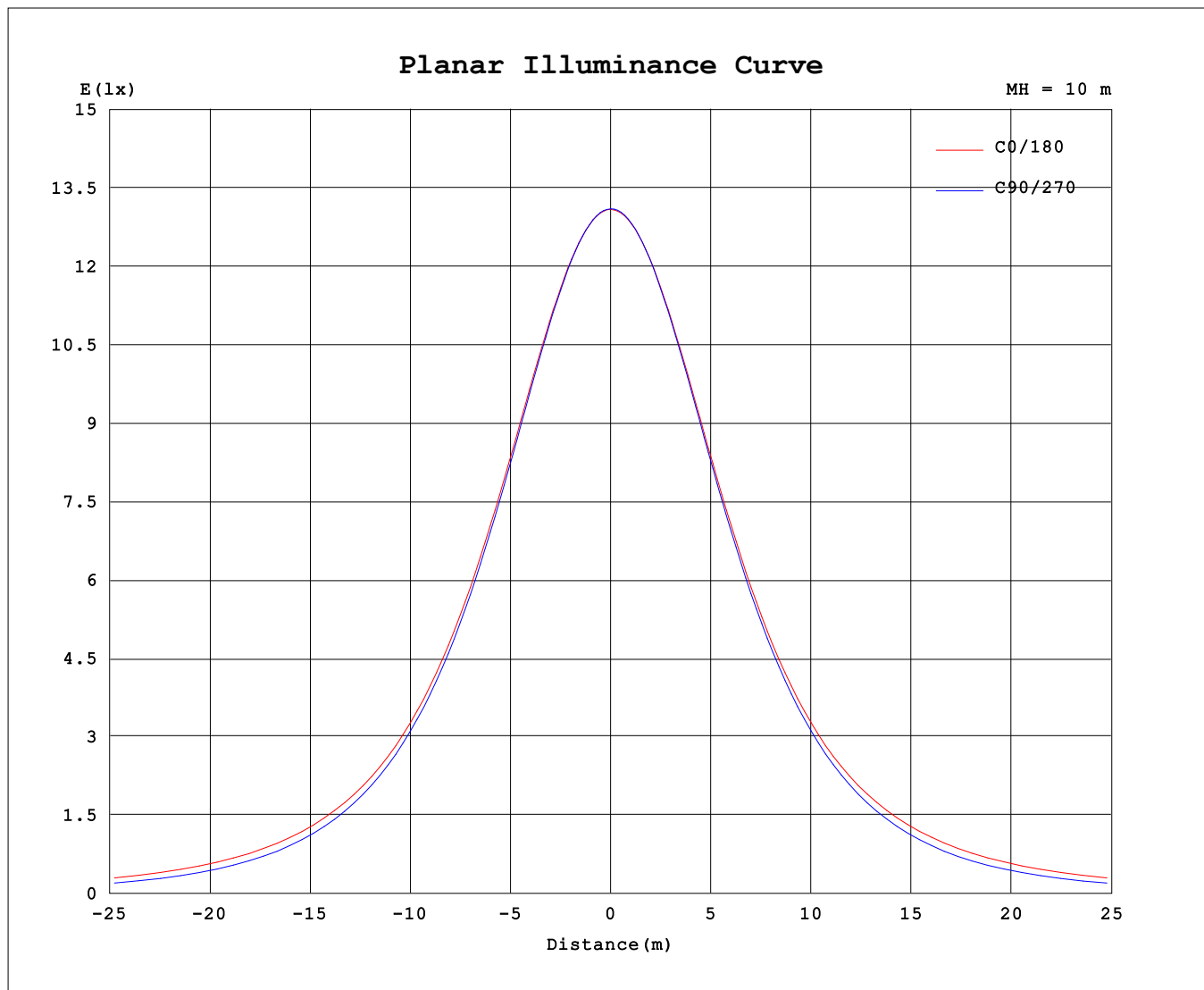
AvgL	cd/m2
L_0~180 (65) av	7819
L_0~180 (75) av	9850
L_0~180 (85) av	21453
L_90~270 (65) av	5807
L_90~270 (75) av	4754
L_90~270 (85) av	2687
L_45 (65) av	6879
L_45 (75) av	7881
L_45 (85) av	15049

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-04-10

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: 2024-04-10

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:230.66V I:0.1565A P:35.228W PF:0.9756 Freq:50.00Hz Lamp Flux:4566.52x1 lm		
NAME: LED444-W46 (36W 250mA 6000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.187450	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	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310			
5	1305	1305	1304	1304	1304	1305	1306	1306	1306	1306	1306	1306	1306	1305	1305	1305			
10	1290	1290	1288	1287	1287	1288	1289	1291	1291	1291	1290	1289	1289	1288	1289	1289			
15	1264	1264	1261	1259	1258	1261	1263	1266	1265	1265	1264	1262	1261	1261	1262	1263			
20	1229	1227	1224	1221	1219	1222	1226	1231	1230	1229	1227	1224	1223	1222	1225	1227			
25	1184	1182	1177	1172	1170	1174	1179	1186	1185	1184	1180	1176	1173	1174	1178	1181			
30	1131	1127	1120	1114	1111	1115	1123	1132	1131	1129	1124	1117	1114	1115	1121	1126			
35	1068	1065	1055	1046	1042	1048	1058	1069	1069	1066	1058	1049	1045	1047	1056	1062			
40	999	994	981	970	964	971	984	999	999	995	984	971	967	970	982	991			
45	924	917	900	886	878	886	903	923	925	918	902	886	880	885	901	914			
50	847	837	814	794	784	795	817	843	848	838	815	793	785	793	814	834			
55	769	756	724	696	682	697	728	764	771	757	725	693	683	694	724	754			
60	693	676	633	595	574	594	638	685	695	678	634	589	573	591	633	674			
65	619	598	544	487	462	487	551	607	620	599	543	482	458	486	543	596			
70	548	522	459	384	347	384	466	530	545	523	458	378	343	382	459	523			
75	481	453	381	286	233	287	387	458	475	451	378	279	229	286	383	454			
80	417	388	310	200	128	202	313	390	408	382	305	194	124	202	313	389			
85	356	327	247	133	45.3	132	247	326	345	317	239	124	42.5	136	251	328			
90	300	272	193	84.1	5.55	79.1	188	266	286	258	181	72.3	5.19	86.1	196	272			
95	249	222	148	51.2	5.59	44.4	139	213	232	205	132	39.1	4.55	52.9	150	222			
100	202	177	110	31.6	6.48	27.0	99.7	165	183	158	93.4	24.8	5.52	33.6	112	177			
105	161	139	80.1	22.5	7.65	21.0	71.0	126	142	119	66.7	20.1	6.69	24.1	82.4	138			
110	125	106	59.2	19.5	8.95	20.0	52.4	94.4	108	89.6	49.6	18.8	7.97	20.8	61.2	106			
115	96.5	81.2	43.1	18.7	10.2	19.9	40.1	70.5	81.6	65.4	39.8	18.6	9.16	19.5	46.0	81.0			
120	70.4	58.3	36.0	18.3	11.5	19.9	34.8	53.3	61.3	51.4	33.6	18.7	10.3	19.0	36.1	58.3			
125	56.0	47.4	32.4	18.3	12.7	19.9	32.5	45.7	50.8	44.2	31.1	18.5	11.5	18.1	32.8	47.7			
130	47.1	41.5	30.0	18.3	14.0	20.2	30.9	41.0	44.6	39.6	29.5	18.8	12.7	18.0	30.5	41.8			
135	41.1	37.1	27.9	18.4	15.1	20.4	29.5	37.5	39.9	36.3	28.2	18.9	14.0	18.5	28.1	37.3			
140	36.6	33.5	26.4	18.4	16.2	20.5	28.4	34.7	36.5	33.6	27.0	19.2	15.0	18.2	26.0	33.8			
145	32.9	30.6	24.3	18.6	17.3	20.7	27.2	32.2	33.5	31.2	25.9	19.3	16.1	17.5	24.8	30.8			
150	29.8	28.1	22.7	18.7	18.2	20.4	25.7	30.1	30.9	29.1	24.5	19.3	17.0	17.7	22.5	28.3			
155	27.2	25.9	21.8	19.3	19.1	20.8	24.5	27.8	28.4	27.0	23.4	19.7	18.2	18.2	21.0	26.1			
160	24.9	24.2	21.3	19.7	19.9	21.0	23.4	25.8	26.0	25.2	22.0	20.1	19.5	19.1	20.5	24.2			
165	22.9	22.2	20.8	20.1	20.6	21.2	22.4	23.6	24.1	22.7	21.7	20.5	20.3	20.0	20.1	21.8			
170	21.5	21.1	20.9	20.7	21.1	21.4	21.9	22.2	22.3	22.0	21.4	21.0	20.9	20.5	21.0	20.8			
175	21.1	21.1	21.0	21.2	21.4	21.5	21.7	21.7	21.8	21.5	21.4	21.3	21.4	21.1	21.2	20.7			
180	21.6	21.4	21.3	21.5	21.5	21.5	21.6	21.6	21.7	21.4	21.4	21.5	21.5	21.5	21.5	21.6			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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Operators:DAMIN
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γ Range: 0 - 180DEG
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