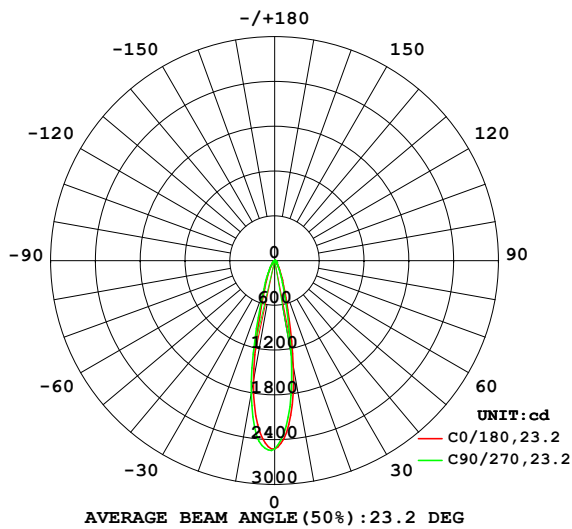


## LUMINAIRE PHOTOMETRIC TEST REPORT

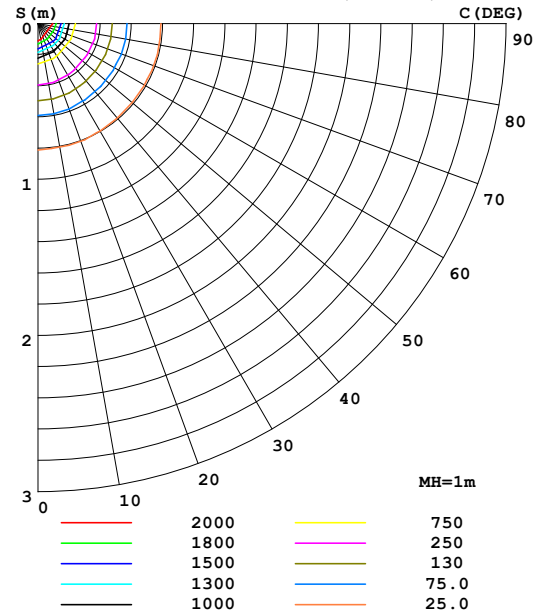
Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 62.65 lm/W
MODEL		Imax (cd)	2542	S/MH(C0/180)	0.40	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.42	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	616.24	$\eta$ UP,DN(C0-180)	0.0,44.8	
NOMINAL FLUX(lm)	616.242	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,55.2	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.36	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1447	1307	1288	1440	1649	1806	1821	1648	0- 10	192.8	192.8	31.3,31.3
20	360.6	321.8	311.7	341.1	394.4	444.7	458.1	413.7	10- 20	218.0	410.8	66.7,66.7
30	121.4	109.8	106.9	117.3	132.3	145.2	150.6	137.3	20- 30	102.2	513.0	83.3,83.3
40	48.51	44.75	44.53	47.97	52.79	56.90	58.16	53.90	30- 40	50.53	563.6	91.5,91.5
50	22.21	21.00	20.99	22.48	24.67	26.42	26.45	24.47	40- 50	26.96	590.5	95.8,95.8
60	10.78	10.26	10.36	11.12	12.22	13.04	12.92	11.88	50- 60	15.06	605.6	98.3,98.3
70	4.736	4.377	4.329	4.846	5.474	5.819	5.295	5.317	60- 70	8.014	613.6	99.6,99.6
80	0.8282	0.2793	0.1332	0.3926	1.067	0.5020	0.2601	0.5010	70- 80	2.548	616.1	100,100
90	0.0143	0.0067	0.0126	0.0036	0.0067	0.0032	0.0103	0.0032	80- 90	0.1043	616.2	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									UNIT:lm		

Conical surface Flux(90deg): 579.04 lm

%lum = 94.0%

%lamp = 94.0%

Conical surface Flux(120deg): 605.58 lm

%lum = 98.3%

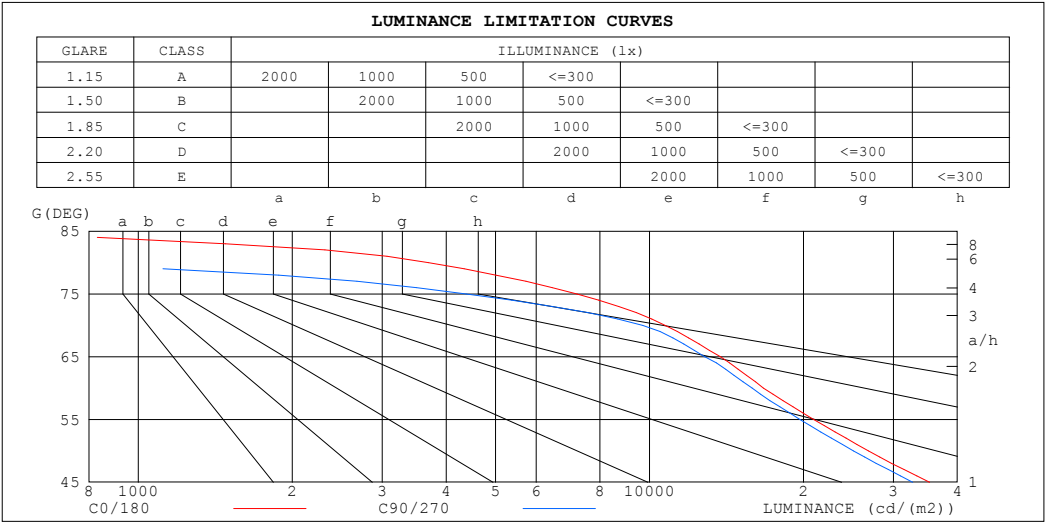
%lamp = 98.3%

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	599	255
80	3697	588
75	7214	4388
70	10735	9703
65	13770	12837
60	16714	15880
55	20948	19682
50	26790	25038
45	35322	32703

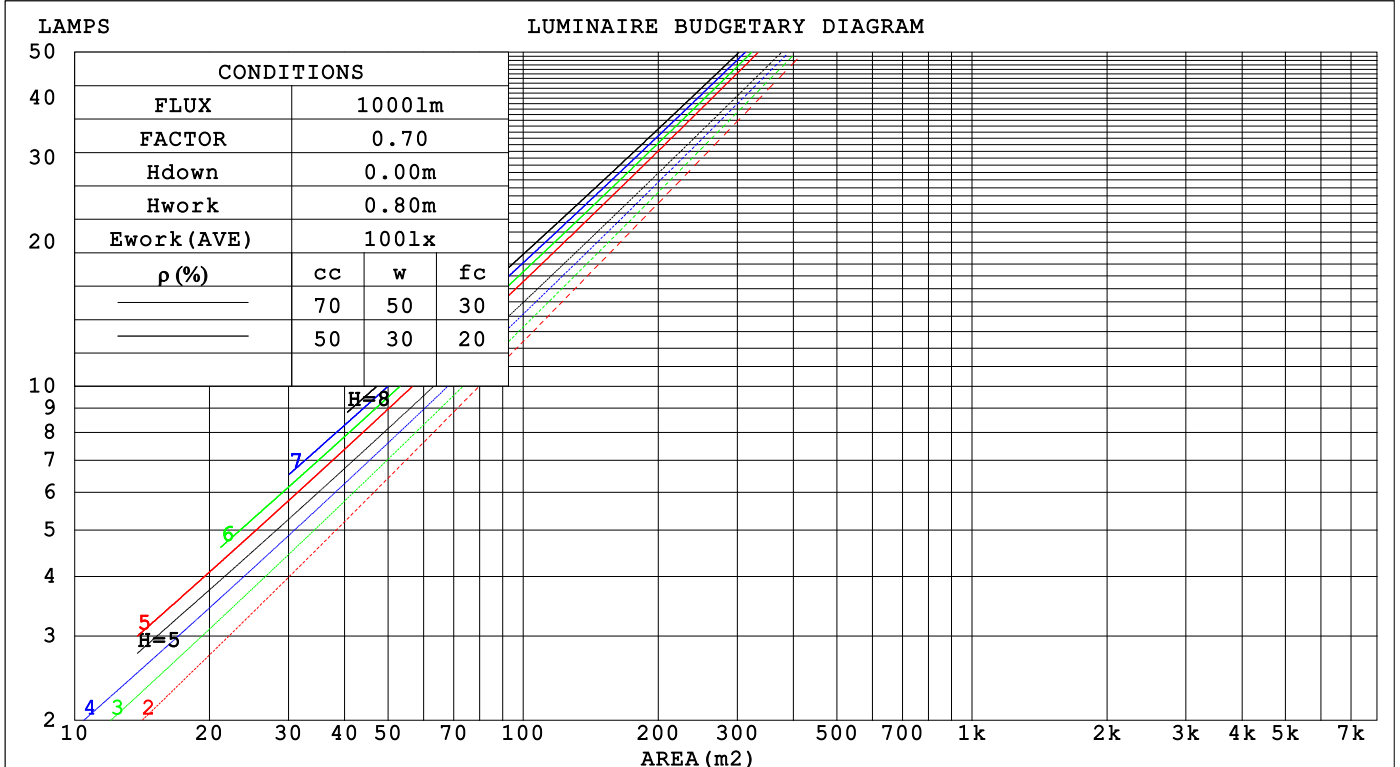
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358		
Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	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	1.19	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.99	.95	.92	.96	.93	.90	.94	.91	.89	.92	.89	.87	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.86	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79
6.0	.87	.82	.78	.86	.82	.78	.85	.81	.78	.83	.80	.77	.82	.79	.77	.76
7.0	.83	.79	.75	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.73
8.0	.80	.76	.72	.80	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.75	.71	.69	.68
10.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.69	.67	.73	.69	.67	.66



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	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	.156	.089	.028	.150	.085	.027	.137	.079	.025	.126	.073	.023	.115	.067	.022															
2.0	.147	.081	.025	.142	.078	.024	.131	.073	.023	.122	.068	.021	.113	.064	.020															
3.0	.138	.074	.022	.134	.072	.022	.125	.068	.021	.117	.064	.020	.109	.061	.019															
4.0	.130	.068	.020	.126	.066	.020	.119	.063	.019	.112	.060	.018	.105	.057	.017															
5.0	.123	.062	.018	.119	.061	.018	.113	.059	.017	.107	.056	.017	.101	.054	.016															
6.0	.116	.058	.017	.113	.057	.016	.107	.055	.016	.102	.053	.016	.097	.051	.015															
7.0	.110	.054	.015	.107	.053	.015	.102	.052	.015	.098	.050	.015	.093	.049	.014															
8.0	.104	.051	.014	.102	.050	.014	.098	.049	.014	.094	.047	.014	.090	.046	.013															
9.0	.099	.048	.013	.097	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.013															
10.0	.095	.045	.013	.093	.045	.013	.090	.044	.012	.086	.043	.012	.083	.042	.012															

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.044	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.056	.034	.077	.049	.030	.054	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.073	.045	.026	.051	.032	.019	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz										
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358					Lamp Flux:616.242x1 lm					
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Norming lighting					SUR.: 41mm			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	18.1	18.9	18.4	19.1	19.2	17.8	18.6	18.0	18.7	18.9
3H	18.5	19.2	18.8	19.4	19.6	18.2	18.9	18.4	19.1	19.3
4H	18.6	19.3	18.8	19.5	19.7	18.2	18.8	18.4	19.1	19.3
6H	18.5	19.2	18.8	19.4	19.7	18.1	18.7	18.4	19.0	19.2
8H	18.5	19.1	18.8	19.4	19.6	18.0	18.7	18.3	18.9	19.2
12H	18.5	19.0	18.8	19.3	19.6	18.0	18.6	18.3	18.9	19.1
4H 2H	18.3	18.9	18.5	19.2	19.4	18.0	18.6	18.2	18.8	19.1
3H	18.7	19.3	19.0	19.6	19.8	18.4	19.0	18.7	19.3	19.5
4H	18.8	19.3	19.1	19.6	19.9	18.4	19.0	18.7	19.2	19.6
6H	18.8	19.2	19.1	19.6	19.9	18.3	18.8	18.7	19.1	19.5
8H	18.7	19.2	19.1	19.5	19.9	18.3	18.7	18.7	19.1	19.4
12H	18.7	19.1	19.1	19.4	19.8	18.2	18.6	18.6	19.0	19.4
8H 4H	18.7	19.2	19.1	19.5	19.9	18.3	18.8	18.7	19.1	19.5
6H	18.7	19.1	19.1	19.4	19.9	18.2	18.6	18.7	19.0	19.4
8H	18.6	19.0	19.1	19.4	19.8	18.2	18.5	18.6	18.9	19.4
12H	18.6	18.9	19.0	19.3	19.8	18.1	18.4	18.6	18.9	19.3
12H 4H	18.7	19.1	19.1	19.4	19.8	18.3	18.7	18.7	19.1	19.5
6H	18.6	19.0	19.1	19.4	19.8	18.2	18.5	18.6	18.9	19.4
8H	18.6	18.9	19.0	19.3	19.8	18.1	18.4	18.6	18.9	19.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.2 / - 1.6					+ 1.1 / - 1.7				
1.5H	+ 1.9 / - 1.2					+ 1.6 / - 1.1				
2.0H	+ 2.1 / - 1.6					+ 2.1 / - 1.6				

CIE Pub.117, 616.2 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -1.7$ )  
Area: 0.0013 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

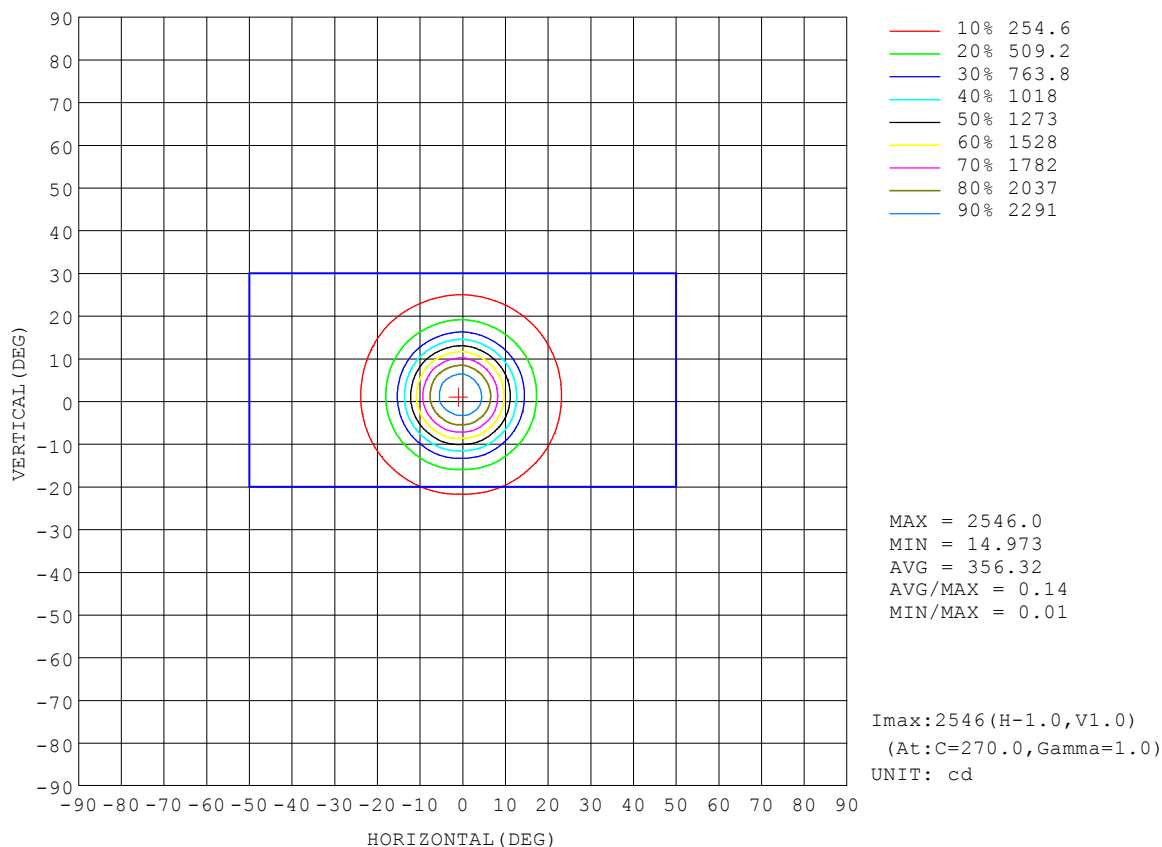
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	79	76	85	79	75	72
0.80	94	88	84	93	87	84	92	87	83	79
1.00	98	93	89	97	92	88	96	92	88	84
1.25	102	97	93	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	108	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



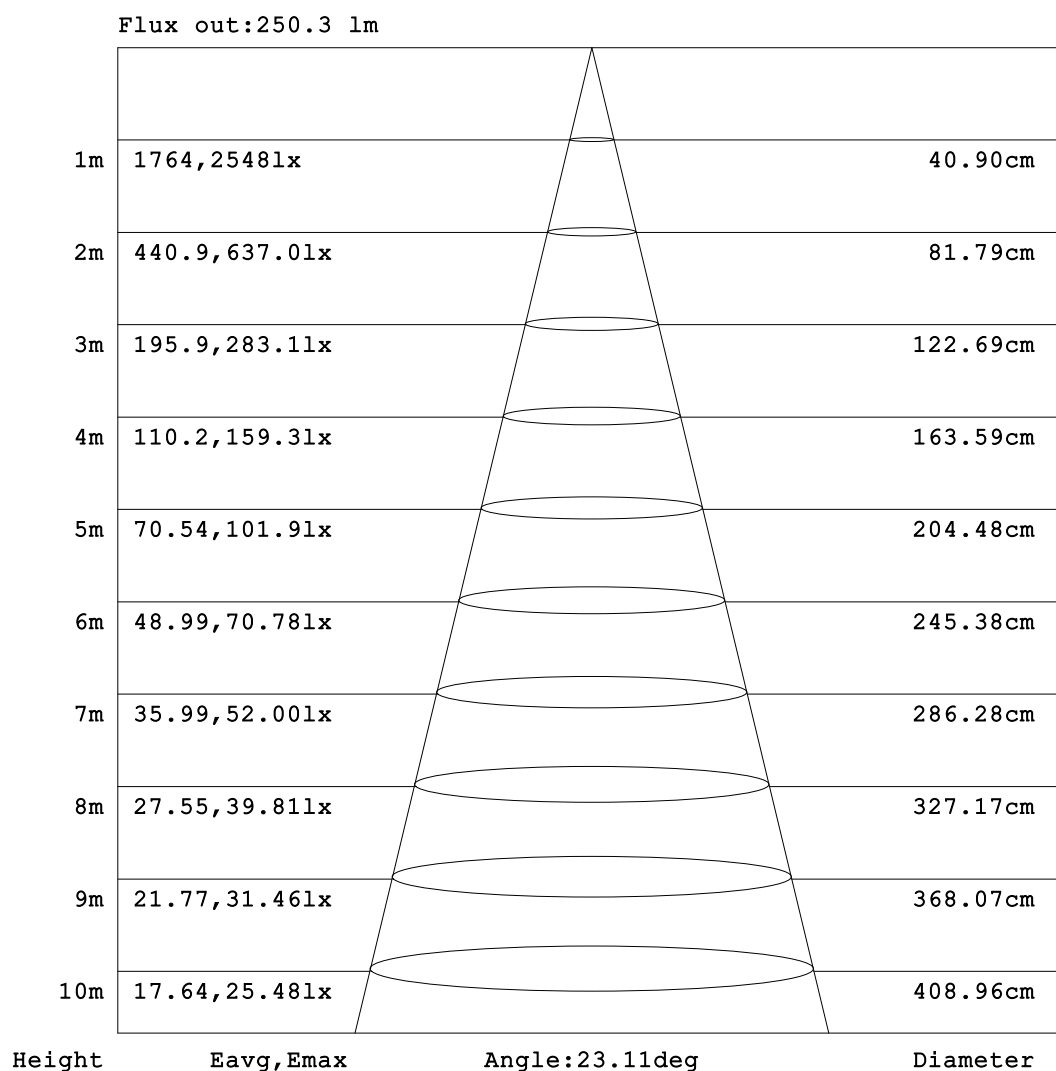
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



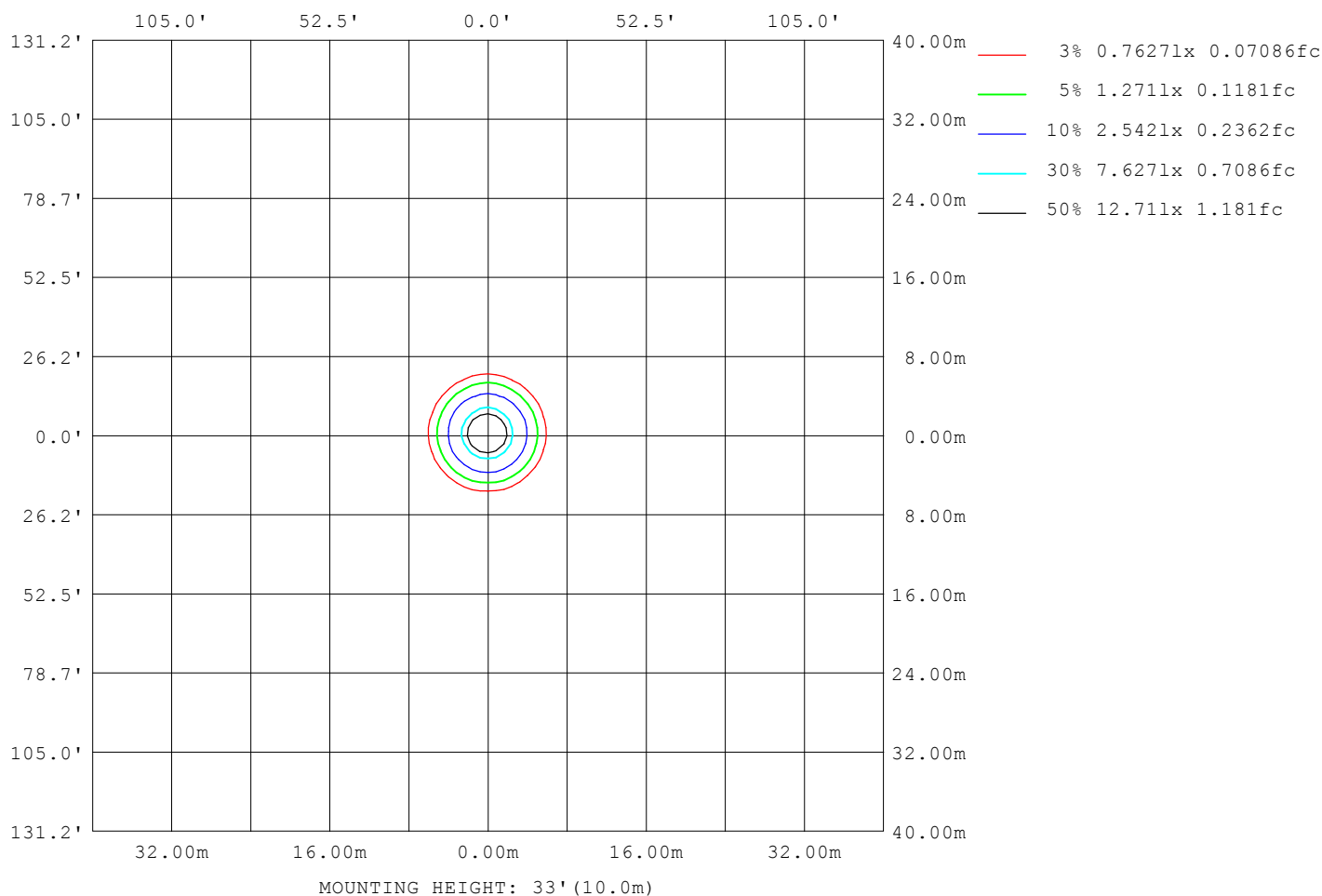
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz		
UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:240.4V I:0.0446A P:9.8W PF:0.9172 Freq:49.99Hz UTHDi:0.16% ITHDi:19.99% KDisp:0.9358 Lamp Flux:616.242x1 lm		
NAME: DL56-10-XX-01 2700K RA98 24D MAX DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

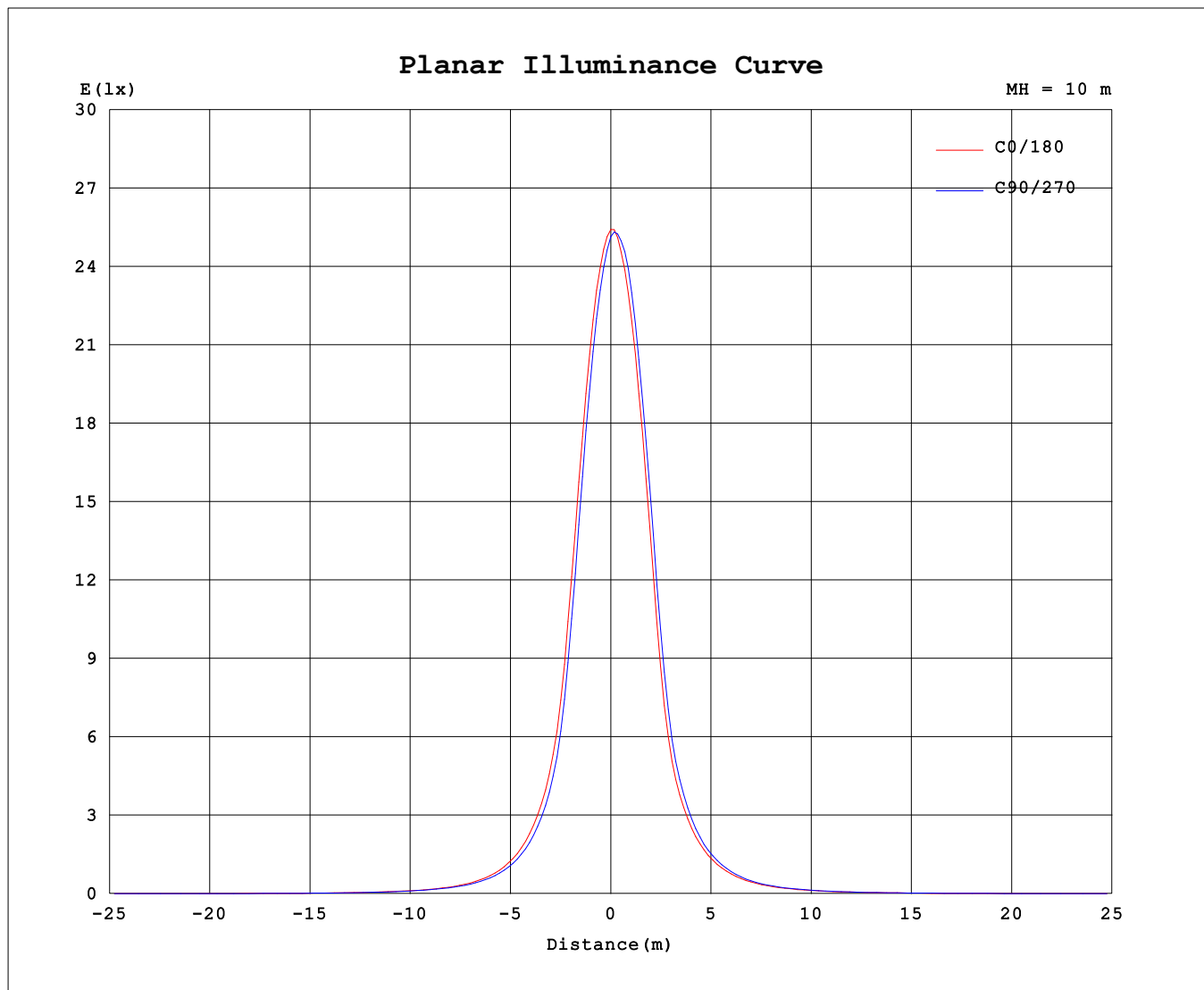
AvgL	cd/m2
L_0~180 (65) av	14582
L_0~180 (75) av	7914
L_0~180 (85) av	705
L_90~270 (65) av	14640
L_90~270 (75) av	5083
L_90~270 (85) av	192
L_45 (65) av	14636
L_45 (75) av	6786
L_45 (85) av	41

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-07-19

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

```

## Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	2523	2523	2523	2523	2523	2523	2523	2523
3.0	2388	2334	2327	2374	2446	2505	2517	2464
6.0	2083	1974	1968	2072	2210	2322	2346	2229
9.0	1623	1485	1471	1621	1815	1966	1967	1813
12.0	1104	976.3	947.6	1081	1290	1451	1470	1296
15.0	686.7	604.9	583.9	651.6	792.0	928.3	944.5	827.1
18.0	459.3	408.4	394.7	431.1	503.9	573.3	590.7	530.4
21.0	321.5	286.7	278.0	304.6	350.1	394.3	405.4	367.4
24.0	228.5	206.7	199.0	219.2	248.2	277.5	285.4	259.9
27.0	166.2	149.7	145.3	159.1	179.8	198.8	205.2	187.9
30.0	121.4	109.8	106.9	117.3	132.3	145.2	150.6	137.3
33.0	90.42	81.68	80.61	87.20	97.83	106.3	110.5	100.8
36.0	68.53	62.49	61.87	66.59	74.13	80.29	82.47	76.37
39.0	52.77	48.50	48.30	52.03	57.32	61.90	63.26	58.75
42.0	41.05	38.05	37.95	40.90	45.09	48.49	49.29	45.62
45.0	32.22	30.14	30.16	32.37	35.62	38.23	38.66	35.72
48.0	25.67	24.20	24.22	25.90	28.48	30.48	30.63	28.36
51.0	20.67	19.61	19.59	21.00	23.02	24.60	24.60	22.77
54.0	16.65	15.79	15.82	16.98	18.73	20.02	19.95	18.36
57.0	13.41	12.71	12.78	13.77	15.14	16.18	16.06	14.78
60.0	10.78	10.26	10.36	11.12	12.22	13.04	12.92	11.88
63.0	8.731	8.276	8.346	8.984	9.880	10.53	10.41	9.612
66.0	6.870	6.455	6.495	7.029	7.877	8.474	8.370	7.685
69.0	5.237	4.880	4.905	5.378	6.029	6.486	6.042	5.895
72.0	3.754	3.369	3.055	3.789	4.408	4.504	3.833	4.140
75.0	2.409	1.901	1.481	2.230	2.917	2.575	1.939	2.428
78.0	1.341	0.7951	0.5104	0.9682	1.696	1.130	0.7759	1.088
81.0	0.6183	0.1054	0.0804	0.1652	0.8160	0.2459	0.1083	0.2624
84.0	0.1121	0.0067	0.0322	0.0097	0.1963	0.0159	0.0200	0.0118
87.0	0.0214	0.0067	0.0245	0.0074	0.0219	0.0000	0.0142	0.0036
90.0	0.0143	0.0067	0.0126	0.0036	0.0067	0.0032	0.0103	0.0032

C Range: 0 - 360DEG  
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