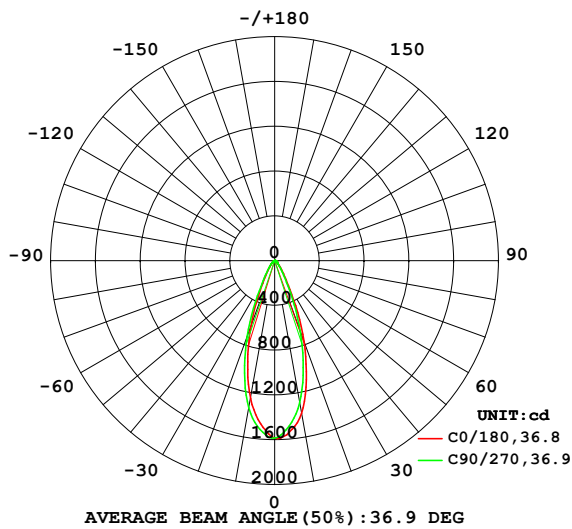


## LUMINAIRE PHOTOMETRIC TEST REPORT

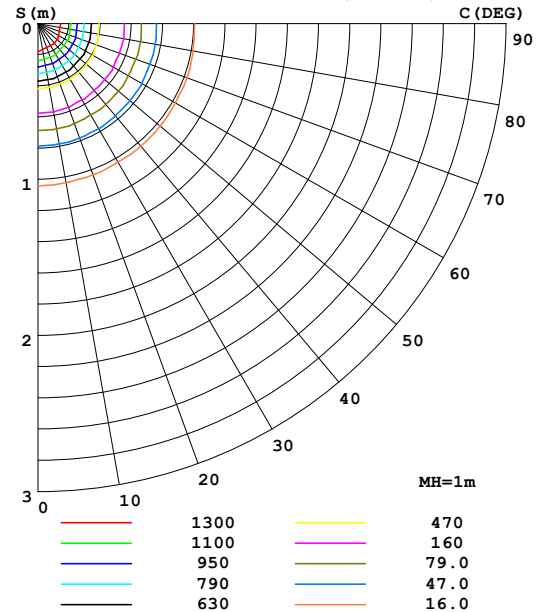
Test:U:240.4V I:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 76.42 lm/W
MODEL		I <sub>max</sub> (cd)	1589	S/MH(C0/180)	0.57	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.61	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	748.90	η UP,DN(C0-180)	0.0,50.4	
NOMINAL FLUX(lm)	748.898	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.39	η down(%)	100.0	CIBSE SHR MAX	0.60	

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

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1384	1337	1289	1262	1248	1267	1334	1383	0- 10	137.3	137.3	18.3,18.3
20	770.1	736.3	672.8	644.8	626.5	652.9	720.9	765.7	10- 20	278.3	415.6	55.5,55.5
30	228.0	220.1	196.5	182.8	178.7	186.9	208.4	222.4	20- 30	184.5	600.1	80.1,80.1
40	78.79	75.33	69.47	66.16	65.67	68.11	73.35	78.13	30- 40	75.83	676.0	90.3,90.3
50	35.16	33.73	31.57	30.64	30.86	31.90	33.98	35.27	40- 50	37.62	713.6	95.3,95.3
60	16.85	16.18	15.08	14.75	14.88	15.62	16.59	17.10	50- 60	20.91	734.5	98.1,98.1
70	7.455	6.939	6.003	6.325	6.421	6.692	6.591	7.488	60- 70	10.88	745.4	99.5,99.5
80	1.538	0.4039	0.1698	0.4778	1.115	0.4368	0.2349	0.6044	70- 80	3.388	748.8	100,100
90	0.0208	0.0125	0.0184	0.0119	0.0169	0.0116	0.0122	0.0090	80- 90	0.1344	748.9	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): 697.58 lm

%lum = 93.1%

%lamp = 93.1%

Conical surface Flux(120deg): 734.49 lm

%lum = 98.1%

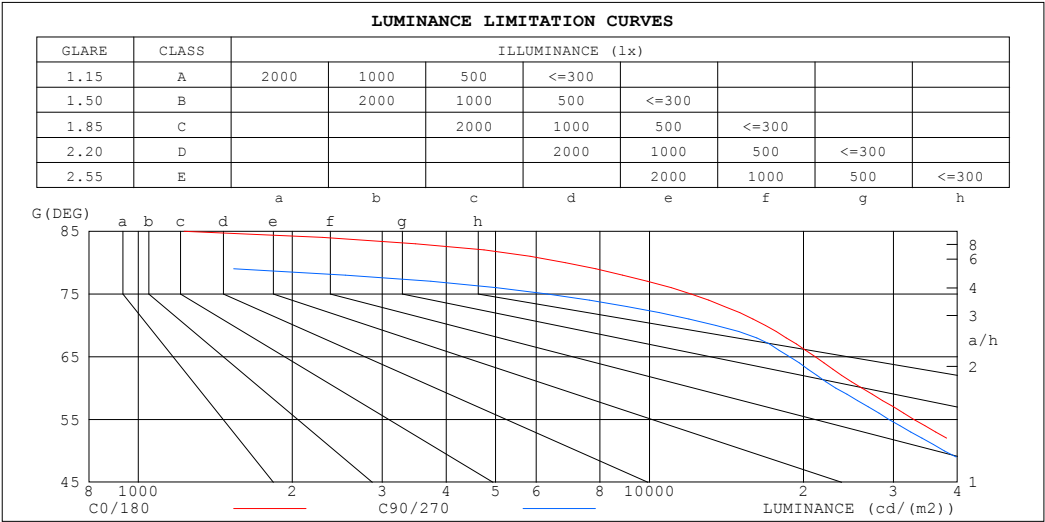
%lamp = 98.1%

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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1228	323
80	6846	751
75	12052	6322
70	16848	13475
65	21099	18802
60	26050	23149
55	32902	29413
50	42278	37710
45	56039	49814

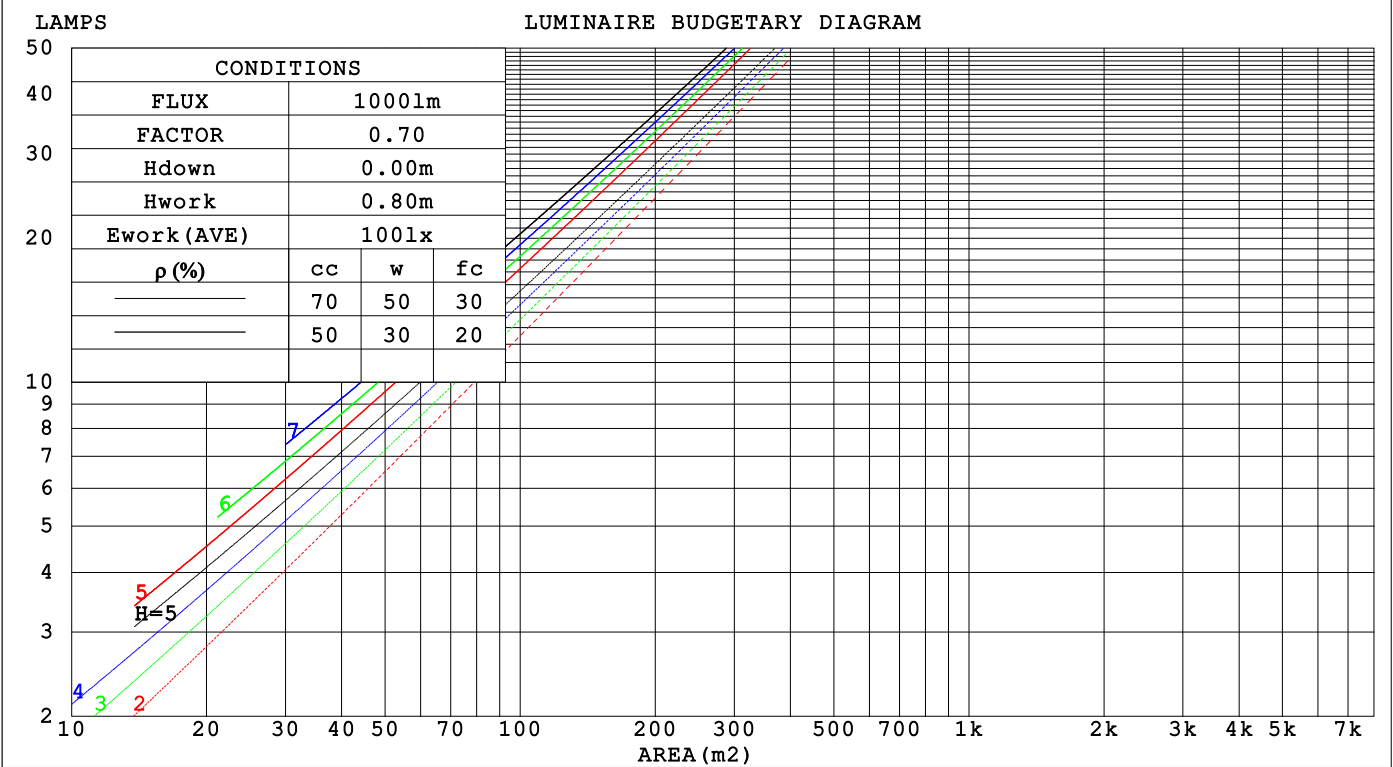
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355		
Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D 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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.83	.77	.73	.82	.77	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.69	.78	.73	.69	.77	.72	.69	.76	.71	.68	.75	.71	.68	.67
8.0	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.68	.65	.64
9.0	.72	.66	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.69	.65	.62	.61
10.0	.69	.63	.60	.68	.63	.60	.67	.63	.60	.67	.62	.60	.66	.62	.59	.58



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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355		Lamp Flux:748.898x1 lm
NAME: DL56-10-DW-01 3000K RA90 36D 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	.170	.097	.031	.163	.093	.030	.150	.086	.028	.139	.080	.026	.128	.074	.024															
2.0	.161	.088	.027	.156	.086	.026	.145	.081	.025	.136	.076	.024	.127	.072	.023															
3.0	.152	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021															
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.119	.064	.020															
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018															
6.0	.129	.065	.019	.126	.064	.018	.120	.062	.018	.115	.060	.018	.110	.058	.017															
7.0	.123	.061	.017	.120	.060	.017	.115	.058	.017	.110	.057	.016	.106	.055	.016															
8.0	.117	.057	.016	.115	.057	.016	.110	.055	.016	.106	.054	.016	.102	.052	.015															
9.0	.112	.054	.015	.110	.054	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014															
10.0	.107	.051	.014	.105	.051	.014	.102	.050	.014	.098	.049	.014	.095	.048	.014															

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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.053	.029	.078	.046	.025	.054	.033	.018	.032	.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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz										
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355					Lamp Flux:748.898x1 lm					
NAME: DL56-10-DW-01 3000K RA90 36D 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	20.9	21.8	21.1	21.9	22.1	20.4	21.3	20.6	21.4	21.6
3H	21.2	22.0	21.5	22.2	22.4	20.7	21.5	20.9	21.7	21.9
4H	21.3	22.0	21.5	22.2	22.5	20.7	21.4	20.9	21.6	21.8
6H	21.2	22.0	21.5	22.2	22.4	20.6	21.3	20.9	21.5	21.8
8H	21.2	21.9	21.5	22.1	22.4	20.5	21.2	20.8	21.5	21.7
12H	21.2	21.8	21.5	22.1	22.4	20.5	21.1	20.8	21.4	21.7
4H 2H	21.0	21.7	21.2	21.9	22.2	20.5	21.3	20.8	21.5	21.7
3H	21.4	22.0	21.7	22.3	22.6	20.9	21.5	21.2	21.8	22.1
4H	21.5	22.1	21.8	22.4	22.7	20.9	21.5	21.2	21.8	22.1
6H	21.4	22.0	21.8	22.3	22.6	20.8	21.3	21.2	21.6	22.0
8H	21.4	21.9	21.8	22.2	22.6	20.7	21.2	21.1	21.6	21.9
12H	21.3	21.8	21.8	22.2	22.6	20.7	21.1	21.1	21.5	21.9
8H 4H	21.4	21.9	21.8	22.2	22.6	20.8	21.3	21.2	21.6	22.0
6H	21.3	21.8	21.8	22.1	22.6	20.7	21.1	21.1	21.5	21.9
8H	21.3	21.7	21.8	22.1	22.5	20.7	21.0	21.1	21.4	21.9
12H	21.3	21.6	21.7	22.0	22.5	20.6	20.9	21.1	21.3	21.8
12H 4H	21.3	21.8	21.7	22.1	22.5	20.7	21.2	21.2	21.6	22.0
6H	21.3	21.7	21.7	22.1	22.5	20.7	21.0	21.1	21.4	21.9
8H	21.3	21.6	21.7	22.0	22.5	20.6	20.9	21.1	21.3	21.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.3 / - 1.8					+ 1.2 / - 1.9				
1.5H	+ 2.1 / - 1.2					+ 1.8 / - 1.3				
2.0H	+ 2.2 / - 1.7					+ 2.1 / - 1.6				

CIE Pub.117, 748.9 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -1.0$ )  
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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

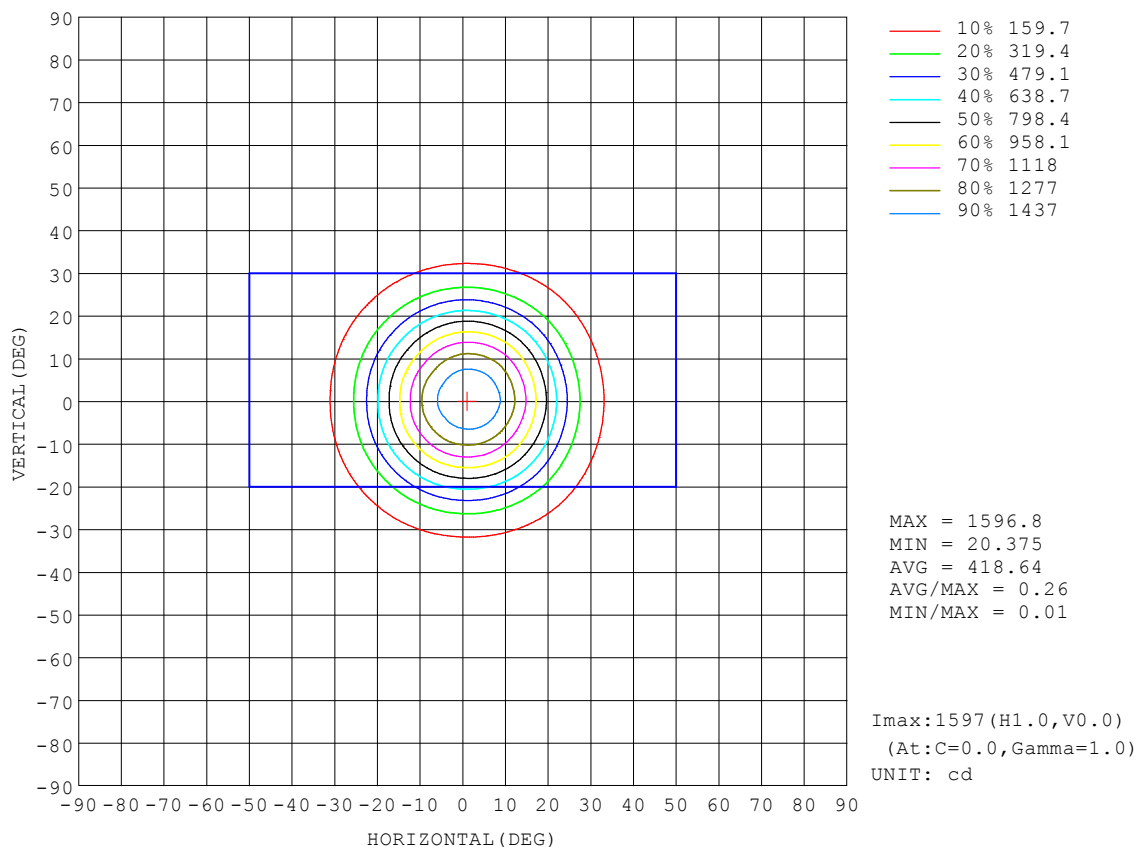
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	106	102	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



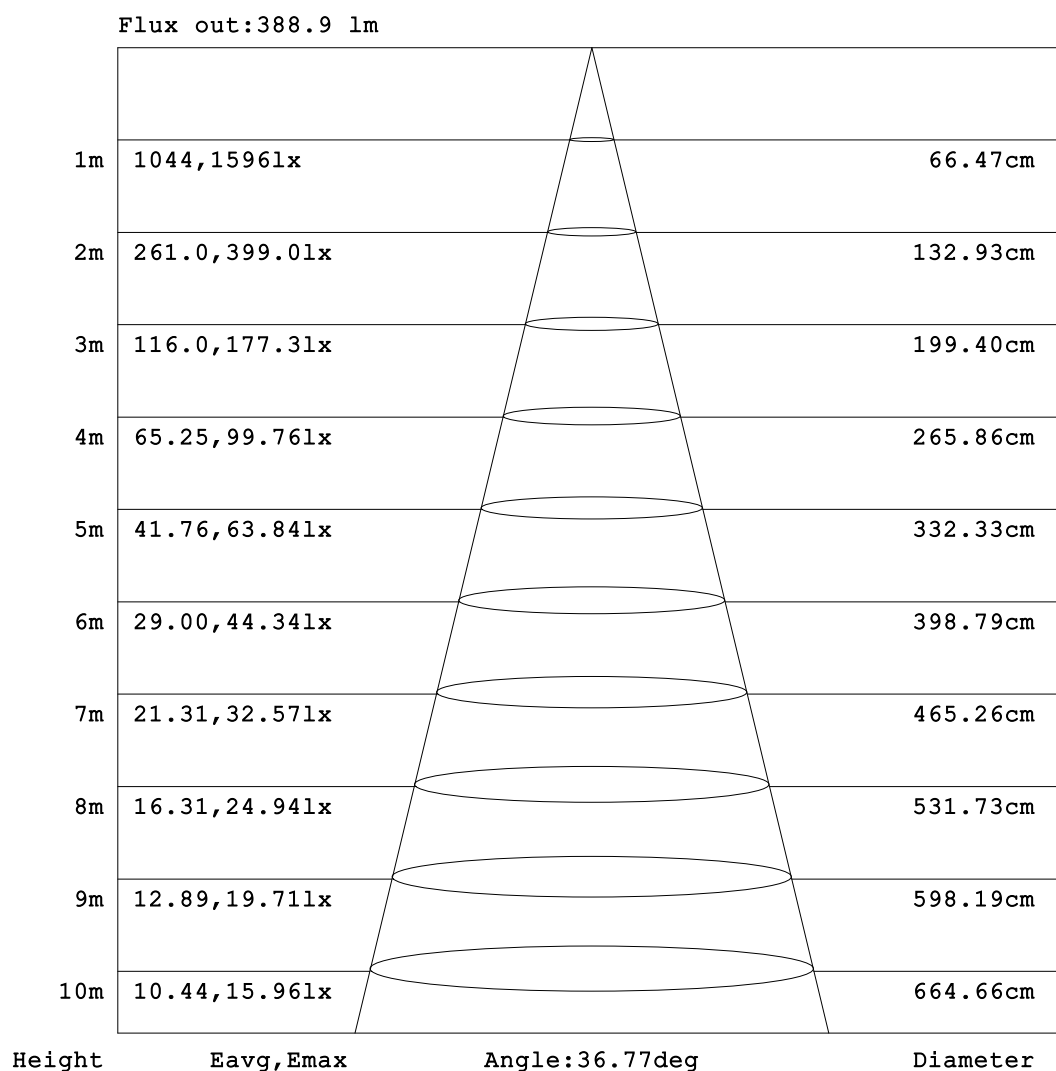
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-07-19

$\gamma$  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:



## AAI Figure

Test:U:240.4V I:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



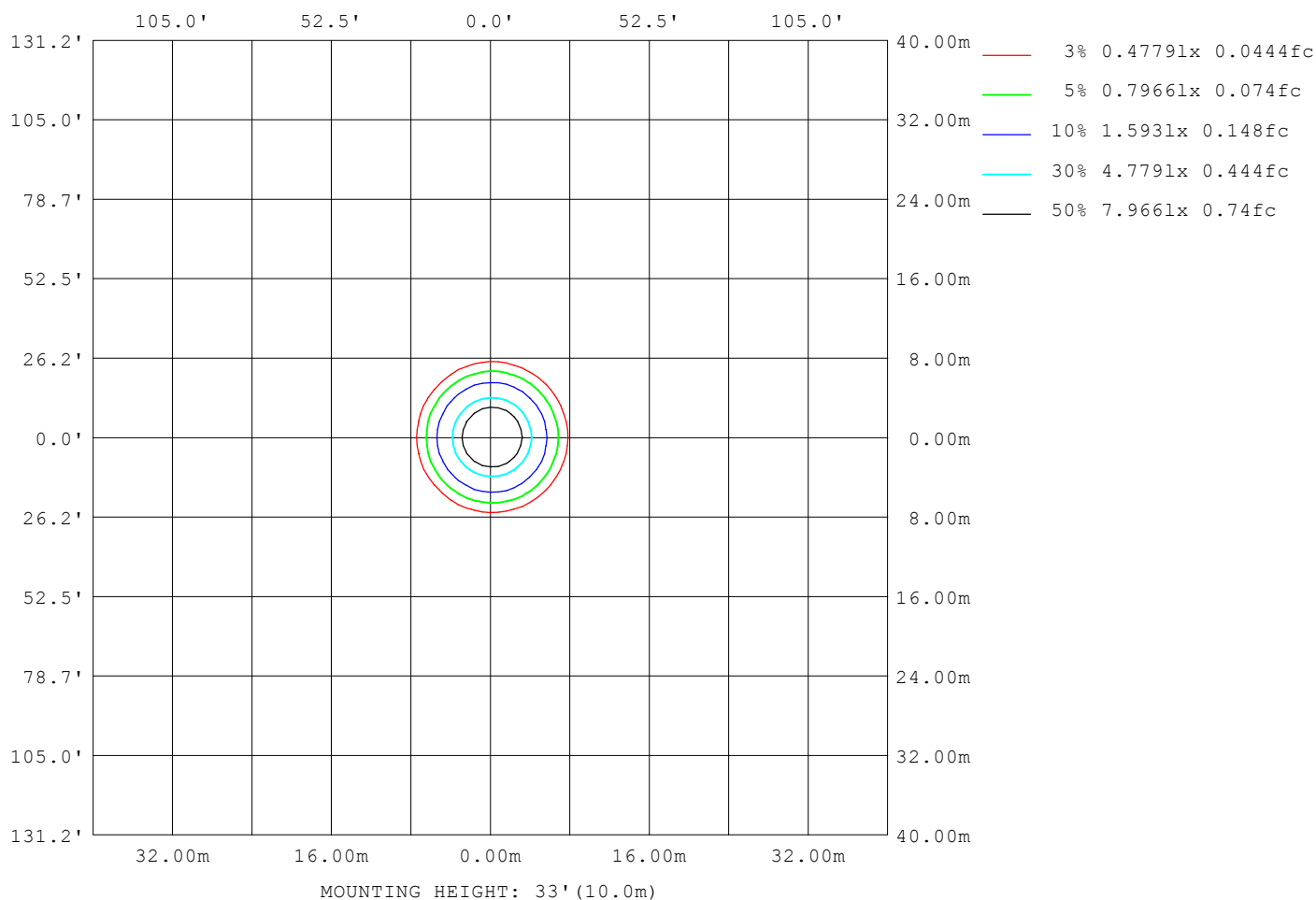
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D 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:

## LED Avg.L Report

Test:U:240.4V I:0.0445A P:9.8W PF:0.9170 Freq:49.99Hz UTHDi:0.18% ITHDi:19.59% KDisp:0.9355 Lamp Flux:748.898x1 lm		
NAME: DL56-10-DW-01 3000K RA90 36D DX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

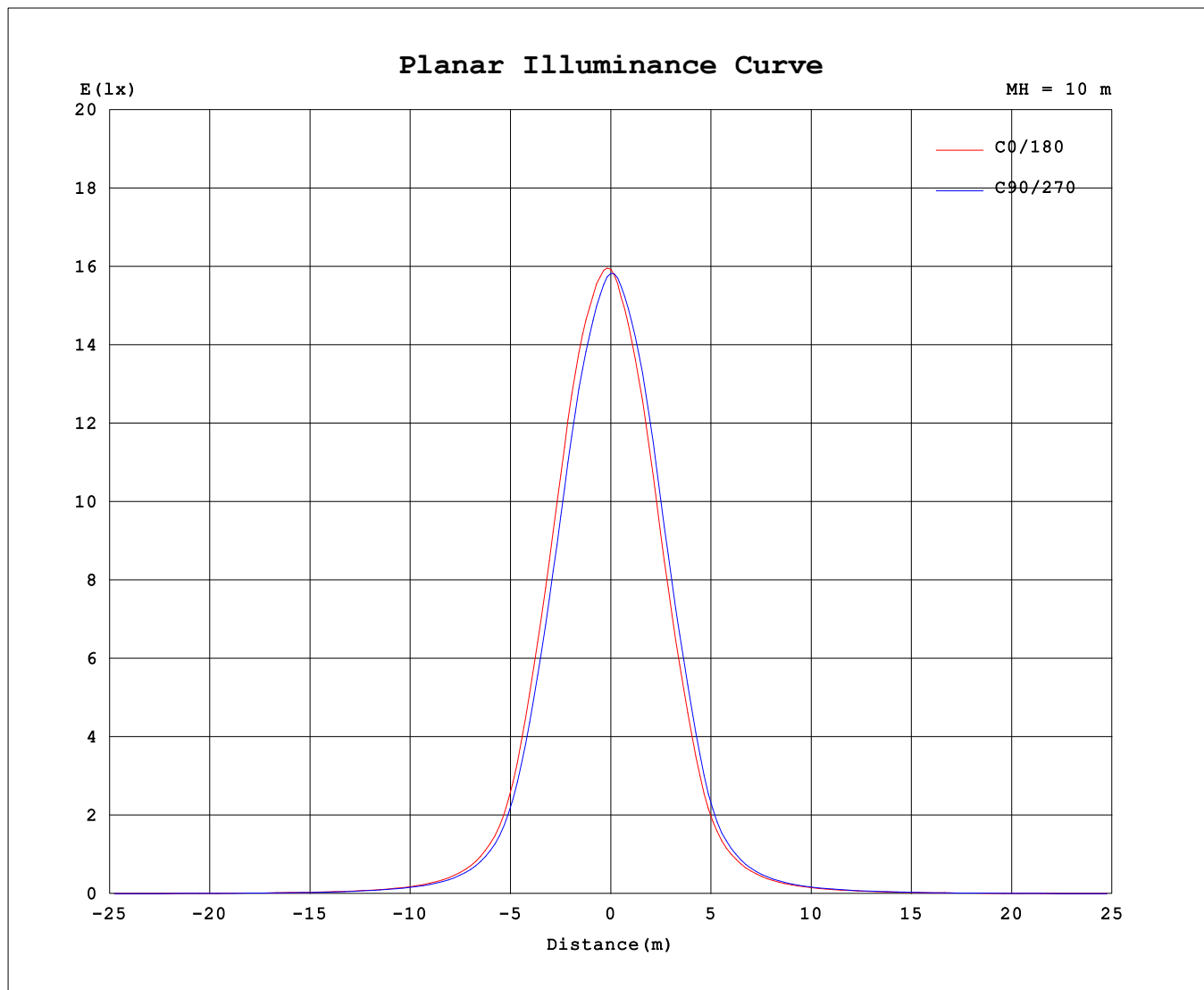
AvgL	cd/m2
L_0~180 (65) av	19778
L_0~180 (75) av	10883
L_0~180 (85) av	938
L_90~270 (65) av	19849
L_90~270 (75) av	6725
L_90~270 (85) av	277
L_45 (65) av	19832
L_45 (75) av	8978
L_45 (85) av	114

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	1585	1585	1585	1585	1585	1585	1585	1585
3.0	1573	1561	1538	1526	1520	1535	1559	1571
6.0	1514	1489	1452	1432	1427	1443	1486	1513
9.0	1425	1383	1339	1310	1299	1319	1381	1422
12.0	1285	1235	1179	1149	1130	1153	1229	1289
15.0	1102	1052	990.8	959.4	936.6	965.3	1040	1105
18.0	902.4	864.4	799.1	767.3	747.6	776.2	846.3	900.6
21.0	704.9	673.3	610.6	583.9	565.7	592.8	656.3	698.3
24.0	507.8	482.9	434.3	402.6	392.5	414.7	465.8	500.0
27.0	339.7	323.6	291.0	265.2	258.8	272.3	305.7	331.3
30.0	228.0	220.1	196.5	182.8	178.7	186.9	208.4	222.4
33.0	160.9	153.4	139.2	131.2	128.2	133.8	147.3	158.2
36.0	116.2	111.0	101.0	96.01	94.77	97.71	107.2	114.6
39.0	86.62	82.62	76.21	72.38	71.64	74.58	80.29	85.76
42.0	65.67	62.96	58.31	55.79	55.68	57.64	61.80	65.29
45.0	51.26	49.16	45.88	44.20	44.24	45.59	48.67	51.16
48.0	40.66	39.06	36.63	35.41	35.53	36.68	39.16	40.74
51.0	32.64	31.35	29.44	28.54	28.71	29.78	31.70	32.82
54.0	26.28	25.20	23.65	22.97	23.23	24.12	25.70	26.45
57.0	21.15	20.25	19.00	18.52	18.77	19.47	20.75	21.32
60.0	16.85	16.18	15.08	14.75	14.88	15.62	16.59	17.10
63.0	13.42	12.90	12.07	11.85	12.01	12.56	13.30	13.62
66.0	10.63	10.13	9.497	9.228	9.375	9.863	10.50	10.78
69.0	8.202	7.761	6.977	7.035	7.152	7.494	7.632	8.291
72.0	6.004	5.212	4.211	4.873	5.069	5.077	4.659	5.805
75.0	4.036	2.931	2.131	2.852	3.288	2.891	2.394	3.409
78.0	2.382	1.196	0.6877	1.258	1.856	1.221	0.8201	1.533
81.0	1.182	0.1504	0.0994	0.2108	0.7779	0.1805	0.1149	0.2845
84.0	0.3102	0.0164	0.0329	0.0180	0.1195	0.0157	0.0264	0.0183
87.0	0.0279	0.0090	0.0293	0.0123	0.0220	0.0112	0.0235	0.0094
90.0	0.0208	0.0125	0.0184	0.0119	0.0169	0.0116	0.0122	0.0090

C Range: 0 - 360DEG  
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$\gamma$  Range: 0 - 90DEG  
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Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
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Remarks: